



**CALPINE**

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August 14, 2002

Mr. Steve Munro, Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street, MS 2000  
Sacramento, CA 95814

**Subject: Metcalf Energy Center 99-AFC-3**  
**Monthly Compliance Report #10, July 1 – 31, 2002**

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning July 1 through July 31, 2002.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (925) 200-1193.

Sincerely,

A handwritten signature in black ink that appears to read "Kristen Sipes".

Kristen Sipes  
Environmental Compliance Manager  
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine  
Steve DeYoung, Calpine  
Nick LaPorte, Calpine  
David Newman, Willdan

Metcalf Energy Center  
99-AFC-2

Monthly Compliance Report #10  
July 1 – July 31, 2002

1. **Project construction status**

**Plant area:** Finished driving of the first set of test piling. The piles had a number of tests completed to determine the actual capacity of the piles in compression, tension, and lateral load situations. We had problems with a number of the piles failing prior to the anticipated capacity during the compression test. The design engineers revised their assumptions and criteria and we will progress with further installation and testing this month. Continued to develop the design of the PG&E access road to avoid the disturbance of the streambed. Placed a dust suppressant on the plant roadway system, parking area, and switchyard area to control fugitive dust from those areas. Continued to work on the punchlist items from the offsite area include resolving design issues with the City of San Jose regarding the interface between the railroad signal and traffic signal.

**South laydown area:** Continue to receive, offload, and store equipment. Started the process of replacing the tarps on the material with tarps that can withstand a longer duration.

**North laydown area:** The equipment requiring indoor storage was removed from the warehouse to allow for the installation of a temporary concrete floor within the warehouse. This material will be reinstalled once the racks have been installed. Received the CT's, CTG's, and HP/IP section of the steam turbine on the rail spur. Temporary power was run overhead to the generators from the warehouse transformer.

**Engineering:**

This progress report covers engineering tasks completed through July 2002. The engineering progress is approximately 54% complete. The test piling program is in progress.

*Key Accomplishments*

1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
  - Revised steam turbine pedestal drawings to address CBO comments
  - Calculation and drawings for the "Visual Screen Foundations", Geiger Engineers
  - Specifications for "Earth work" and "Precast concrete Electrical manholes"
  - "Site Observation Report" as required by Condition of Certification Civil-4
- Issued the following documents for construction:
  - Manhole Rollout drawings
  - Duct Bank Conduit Sections

- Phasing Diagrams
- Issued the following documents for review:
  - HRSG Tray layouts
  - Instrument Installation Details

2) Engineering Tasks:

- Burns and Roe continued to support construction effort
- Continued with design of the cooling tower basin, pipe rack framing, steam turbine platform steel framing and foundation
- Continued to coordinate design of visual and sound attenuation screens
- Continued to develop PDS 3D model:
  - a) Underground piping
  - b) Steam Piping
  - c) Underground Electrical system
  - d) Structural steel
  - e) Equipment
    - Continued to review of vendor documents
    - Continued to develop under ground services
    - Continued to develop P&IDs
    - Started development of:
      - Three line diagrams
      - STG area cable tray design
      - Fire Pump Specification
      - Condensate and fire water piping design

3) Major Equipment

- Combustion Turbine Generators: Both of the CTs were delivered to the site
- Steam Turbine HP/IP and LP assemblies were delivered
- Steam Turbine generator is in fabrication
- The condenser is in fabrication
- HRSG engineering is in progress and design documents are submitted to CBO for approval
- The water treatment system supplier has been selected

**Activities planned for next month**

**Plant area:** Complete the test piling program including the installation of approximately (20) additional test piles, complete the required testing, and validate the engineering assumptions. Mobilize the pile driver for installation of the production piling including the assembly of an additional driving rig and receipt of the required production piles. Mobilize the underground mechanical and electrical contractors and begin receipt of material to support the U/G contractors. Begin installation of the storm basin outfall once the proper permits are received. Install the PG&E access road once the design is finalized and permits are obtained. Complete any open punchlist items regarding the Blanchard Road / Monterey Road intersection.

**South laydown area:** Equipment will continue to be received, hoisted, set and maintained.

**North laydown area:** Complete the installation of the warehouse racking system and reload the warehouse with the material already received. Install the hazardous material storage trailer including the installation of the concrete containment and installation of the required electrical for the required air conditioning unit. Construct the prime contractor trailer area north of the warehouse, the prime contract fabrication area west of the warehouse, and the contractor parking area in accordance with the CEC requirements.

**Engineering:**

*I) Work planned for August:*

• **General**

- Complete the integrated project schedule
- Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower and other equipment
- Continue to support construction

• **Mechanical**

- Continue pipe stress analysis
- Continue development of P&IDs
- Continue development Line/Valve/Pipe specialty lists
- Continue development of 3D equipment and piping models
- Continue development of equipment list
- Continue development of Pipe Specification
- Develop fire pump specification
- Finalize CW pump intake structure
- Complete fuel gas system calculations
- Develop valve specification

• **Civil /Structural/Architectural**

- Continue update 3D Models
- Continue work on design calculation and drawing for:  
STG platform framing  
Cooling tower pump structure  
Pipe rack framing  
Transformer foundation
- Coordinate and interface with Hillier/Geiger architectural screen
- Provide engineering support on the ongoing test piling efforts

• **Electrical:**

- Design trays at STG, HRSG and PDCs
- Issue the Main Underground Duct Bank drawings for Construction
- Lighting Design
- Update STG Electrical Room for bidding of electrical equipment
- Update 480V MCC One Line drawings
- Update and issue the Iso-phase Bust Duct Arrangements and Specification for bid
- Preparation of the PDC and Electrical equipment specification for bid

- Complete the UPS and DC calculations
- Issue the UPS specification for bid
- Finalize the kW rating and issue the Standby Generator Specification for bid
- **Instrumentation:**
  - Issue instrument installation details for Construction
  - Continue preparation of control valve data sheets
  - Continue updating of P&IDs
  - Continue data inputs to the major lists

### **MEC Litigation Update**

1. The California Supreme Court (Decision 2-28-02)
  - a. The Supreme Court denied STCAG appeal on February 28, 2002.
  - b. The denial is final and non-appealable in California courts.
2. Sacramento Superior Court (Decision 2-22-02)
  - a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
  - b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
  - c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
  - d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix were originally due by July 5, 2002. However, STCAG was granted an extension. STCAG's Opening Brief is now due on August 5, 2002. MEC's reply brief will be filed within 30 days after STCAG's Opening Brief.
3. U.S. Ninth Circuit Court of Appeals (Pending)
  - a. This appeal asks the Federal Court to overturn the decision of the U.S. EPA's Environmental Appeals Board (EAB) confirming that the MEC Prevention of Signification Deterioration (PSD) permit was properly issued.
  - b. The Petitioner's initial briefings have been filed, and the U.S. government filed its response brief April 12, 2002.
  - c. Calpine's brief was filed May 13, 2002.
  - d. The Petitioners filed their reply brief on July 1, 2002, after having obtained court approval of extension of time. All briefing in the case is now complete.

- e. Calpine will be filing on August 5, 2002, a motion requesting that the Court expedite its review of the appeal and hold oral argument in the case no later than early October 2002.
  - f. If the Court grants Calpine's motion, this matter will likely be heard during October 2002, with a decision anticipated as early as the end of 2002; alternatively, if the motion is not granted, then oral argument may be scheduled later in 2002, with a decision issued during 2003.
4. STCAG lawsuit against the City: recycled water line (Pending)
- a. STCAG has sued to stop the City's construction of its preferred waterline route.
  - b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
  - c. A formal judgment has been issued. Any appeal will have to be filed with the 6<sup>th</sup> District Court of Appeals in San Jose by August 22<sup>nd</sup>.

## **2. Documents required to be submitted with Monthly Compliance Report**

|         |   |
|---------|---|
| AQ-48   | Summary of monthly activities related to the Fugitive Dust Control Plan is attached.                              |
| AQ-52   | 1 Ultra Low Sulfur Fuel receipt attached.   |
| BIO-2   | Summary of Designated Biologist's written records is attached.  |
| BIO-6   | WEAT training presented to 25 on site personnel.  |
| CUL-5   | WEAT training presented to 25 on site personnel.  |
| CUL-7   | Weekly construction schedules are attached.   |
| CUL-8   | Weekly summary reports attached.  |
| PAL-3   | WEAT training presented to 25 on site personnel.  |
| PAL-4   | A summary report is attached.   |
| LAND-1  | There is no update on trail developments.   |
| SOCIO-1 | List of planned procurement of materials and hiring outside the local regional area is attached.                  |
| CIVIL-4 | Copy of report from civil engineer stating that phase one grading was completed in accordance with grading plans. |

## **3. Compliance matrix**

A Compliance Matrix is attached.

**4. Conditions that have been satisfied during the reporting period**

|         |   |
|---------|---|
| AQ-37   | Submitted drawings showing stack height of 145 feet above grade.  |
| AQ-41   | Submitted copy of emission reduction credits.   |
| AQ-51   | Submitted copy of emission reduction credits.   |
| VIS-5   | Submitted notification that visual screen is complete and ready for inspection.                                   |
| CIVIL-4 | Submitted signed statement to CBO that phase one grading was completed in accordance with approved grading plans. |

**5. Submittal deadlines not met**

There are no outstanding pre-construction submittals.

**6. Approved COC changes**

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.

**7. Filings or permits with other agencies**

None

**8. Projection of project compliance activities for next two months (August-September)**

|                 |  |
|-----------------|--|
| AQ-48           | Will follow dust mitigation measures.  |
| AQ-49 and 50    | Dust will be monitored and activities recorded.  |
| CUL-5           | Training will be provided as needed.   |
| CUL-7           | Will submit weekly schedule to resource specialists.   |
| CUL-8           | Cultural specialist will perform required duties when necessary.                             |
| CUL-9           | Cultural specialist will perform required duties when necessary.                             |
| BIO-2           | Biologist will perform required duties when necessary.                                       |
| BIO-6           | Training will be provided as needed.   |
| PAL-3           | Training will be provided as needed.   |
| PAL-4           | Paleo specialist will perform required duties when necessary.                                |
| VIS-1           | Will submit color treatment plan for cooling towers.   |
| VIS-10          | Will submit additional information for Plume Abatement Plan.                                 |
| VIS-12          | Will submit plan for Blanchard Road landscaping.   |
| WORKER SAFETY-1 | Will submit Risk Analysis (for plant operation) to CBO and City of San Jose Fire Department. |
| LAND-2          | Will submit landscaping plan for plant parking area.   |

**9. Additions to on-site compliance file**

- Silt fence inspection logs

- Straw bale inspection logs
- Erosion and sediment control inspection logs
- Water truck logs
- Biological monitor daily logs
- WEAT training logs
- Ultra low sulfur fuel receipt (1)
- Daily logs

**10. Requests to dispose of items**

None

**11. Listing of complaints, notices of violations, official warnings, and citations**

Attached. Includes call log for calls received on MEC public information line.

**12. List of facility design submittals, comments and approvals to CBO**

Matrix and CBO comments are attached.

**CBO Approvals:**

- STRUC-1: Specifications 02721, 02740, 03200. Approved 7/23/02.

**13. Land Trust for Santa Clara County – Endowment Fund Quarterly  
Operating Account Report**

**CONDITION OF CERTIFICATION AQ-48  
SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10**

Summary of monthly activities related to the Fugitive Dust Control Plan:

A water truck was on site daily throughout the month of July to control dust on the access road, heavy haul road and exposed areas. Dust suppressant will likely be applied in August to reduce the amount of water being used. Stockpiles, hydroseed and exposed areas were monitored daily for fugitive dust.

**CONDITION OF CERTIFICATION AQ-52  
RECEIPT OF ULTRA LOW SULFUR DIESEL FUEL**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

# Coast Oil Company, LLC Marketers & Manufacturers

"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351  
RESALE NO. SR GH 97953643  
FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720  
OFFICE FAX (408) 255-5263  
PLANT (408) 251-0811  
ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344

HAZARDOUS MATERIAL NUMBER  
CALL (PERS): 1-800-633-8253

DATE: 07-22-02

INVOICE NUMBER 502147

SOLD TO: 1815  
SHEEDY DRAYAGE CO.

SHIP TO: 1815  
SHEEDY DRAYAGE CO.

P. O. BOX 77004  
SAN FRANCISCO, CA 94107

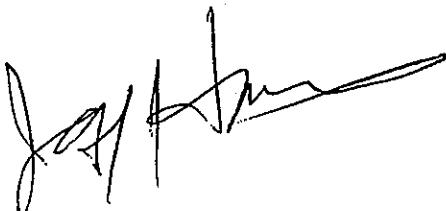
METCALF ROAD/SJ

830 - 829

(415) 648-7171

(415) 648-7171

| ORDERED BY | PURCHASE ORDER NUMBER | SALESMAN | TERMS  | DUE DATE |
|------------|-----------------------|----------|--------|----------|
|            |                       | DEDEAUX  | NET 20 | 08-12-02 |

| ROUTE NUMBER  | DELIVERY DATE                    | TRUCK NUMBER        | DRIVER | HTR NUMBER       | TIME IN            | TIME OUT        | MILES    |        |
|---|----------------------------------|---------------------|--------|------------------|--------------------|-----------------|----------|--------|
| NO OF PKGS  | BULK OR PKG. SIZE                | PRODUCT DESCRIPTION |        | QUANTITY ORDERED | QUANTITY DELIVERED | TAXES           | PRICE    | AMOUNT |
|   |                                  |                     |        |                  |                    | FED STATE SALES |          |        |
| 0   | 07-23-02                         | 75                  | 5      |                  |                    |                 |          | 0      |
| GALS  | ULTRA LOW SULPHUR DIESEL EC ECDI |                     |        | 50               |                    | T T T           |          |        |
|   | CLEAR DIESEL FEDERAL EXCISE      |                     |        | 50               |                    |                 |          |        |
|   | CLEAR DIESEL STATE EXCISE T      |                     |        | 50               |                    |                 |          |        |
|   | FEDERAL SUPERFUND                |                     |        | 50               |                    |                 |          |        |
|   | OIL SPILL FEE                    |                     |        | 50               |                    |                 |          |        |
| 1 EACH  | HOURLY HANDLING CHARGE           |                     |        | 1                |                    |                 | 85.00000 | 85.00  |
|   | FILL CRANE JK/BD/1045            |                     |        |                  |                    |                 |          |        |
| <u>TUE</u>  |                                  |                     |        |                  |                    |                 |          |        |
| (By mature (21))  |                                  |                     |        |                  |                    |                 |          |        |
|  |                                  |                     |        |                  |                    |                 |          |        |

| PRODUCT | BEFORE | AFTER | HTR NO. / TANK I.D. | THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM. | SALES TAX | TOTAL ➔ |
|---------|--------|-------|---------------------|--|-----------|---------|
|         |        |       |                     |  |           |         |
|         |        |       |                     |  |           |         |
|         |        |       |                     |  |           |         |

PAST DUE AFTER . If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

| RECEIVED IN GOOD ORDER | PRINTED NAME | PLEASE PAY FROM THIS INVOICE |
|------------------------|--------------|------------------------------|
| X                      | X            |                              |

**CONDITION OF CERTIFICATION BIO-2  
SUMMARY OF BIOLOGICAL MONITORING**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

**METCALF ENERGY CENTER**

**MONTHLY COMPLIANCE REPORT**

**July 2002**

**METCALF ENERGY CENTER  
BIOLOGICAL MITIGATION MONITORING**

**Summary from Designated Biologist, July 2002**

Site visits with the California Department of Fish and Game and U.S. Army Corps of Engineers were conducted July 17 and 22, respectively, to review permit applications and location of stormwater outfall in Fisher Creek and gas line under Coyote Creek. Subsequent permits are expected in August and/or September. July activities were in compliance with the CEC designated biological Conditions of Certification.

**Biological Resources  
Mitigation Monitoring for the  
Metcalf Energy Center**

**MONTHLY COMPLIANCE REPORT #10**

**July 2002**

**Prepared by:  
CH2M HILL  
2485 Natomas Park Drive, Suite 600  
Sacramento, California 95833**

**Biological Resources Mitigation Monitoring for the Metcalf Energy Center  
Monthly Compliance Report-July 2002**

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- A) Cumulative Wildlife Species Observed in or Near the Project Area
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# METCALF ENERGY CENTER

## MONTHLY COMPLIANCE REPORT

### July 2002

#### INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (FWS), U. S. Army Corps of Engineers, National Marine Fisheries Service, California Department of Fish and Game, and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during July 2002.

## MONITORED MITIGATION MEASURES

A Worker Environmental Awareness Training (WEAT) program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During July, the WEAT program was administered as required by BIO-6 of the "Conditions of Certification" (COC) from the California Energy Commission's (CEC) *Commission Decision*.

In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during July activities.

The following conditions described in the FWS Biological Opinion (BO) remained pertinent to the July monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas (following the 10 days of daily surveys conducted in January).
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

The Monitor was available throughout the month to respond to biological issues as needed. July activities are described below.

## SUMMARY OF ACTIVITIES

This report includes project activities that took place during July 2002. July activities included ongoing Phase 1 site preparation and presentation of the WEAT program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

### Phase 1 Site Preparation

July Phase 1 site activities include continued transport/storage of power plant equipment onto the prepared laydown yards, test pile driving on the footprint site, and installation of a temporary powerline. Some of these activities will likely continue into August 2002.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, or entrapped wildlife throughout each construction zone.

#### ***Power Plant Materials Storage***

Heavy haul trucks continued to transported equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

#### ***Test Pile Driving***

Test pile driving within the MEC footprint site began on July 27<sup>th</sup>. The tests will be used to assess the geologic stability of several locations throughout the main site. A large crane equipped with a hydraulic hammer was used. Test pile driving was completed this month and compression test in the piles will likely continue into August 2002.

Steel pipe inserted during pile driving, particularly those pipes driven down to ground level, were capped. Capping the open end of the pipes complies with the project's safety guidelines and functions as a wildlife exclusion measure.

#### ***Temporary Powerline***

On July 24<sup>th</sup>, a temporary electrical powerline was installed. Temporary power will be provided for the CTGs stored at the MEC site. A small bobcat equipped with a power auger excavated 5 holes, approximately 6-feet deep and 20-inches in diameter. The temporary powerline extends from an existing power source located adjacent to the construction materials storage tent, northwest across the temporary railroad spur to the spur unloading area. No augured holes were left open overnight.

The Biological Monitor was onsite monitoring these activities during installation of the 1<sup>st</sup> power pole. Work was confined to the active laydown yard and poles were immediately installed into the augured holes. The Biological Monitor, therefore, deemed it unnecessary to be present during the entire installation process.

## **WORKER ENVIRONMENTAL AWARENESS TRAINING**

In July, WEAT continued with the presentation of a training video, distribution of WEAT handbooks, and a question and answer period with the Biological Monitor.

A total of 25 personnel received WEAT training during July for a total of 335 employees trained at the Metcalf Energy Center. The Calpine Compliance Manager administered the WEAT training to all new July employees in the absence of the Biological Monitor. A list of July WEAT attendees is included in Appendix B. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

## **GENERAL NOTES AND OBSERVATION**

July activities were minimal with all site activity confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor reported to the site as necessary, particularly during installation of the temporary electrical powerline. For most of the month, the Biological Monitor remained on-call. Although Phase 1 activities are ongoing (e.g. equipment delivery), the Biological Monitor's duties will likely remain limited until the commencement of Phase 2.

## AGENCY PERSONNEL SITE VISITS

On July 17, 2002, Kristen Sipes, Calpine compliance manager, and Debra Crowe, designated biologist met with Kristine Atkinson, California Department of Fish and Game environmental specialist, to review the streambed alteration agreement application, location of the stormwater outfall to Fisher Creek, and the gas pipeline horizontal directional drill locations under Coyote Creek. Kristine indicated she would like a summary of the project description, impacts, and mitigation in one paragraph so that she would not have to locate the information throughout the application document. Calpine supplied Kristine with a copy of the Enhancement Plan for Fisher Creek and Erosion Control and Revegetation Plan from the BRMIMP. Debra prepared a short summary of the information requested above by email (Attachment 1). Kristine indicated she did not have concerns with the outfall location but wanted to review the mitigation plan for restoration and requested non-leachable material (clean sand in bags) be used for construction of the coffer dam. The permit will contain conditions that must be followed to protect biological resources.

On July 22, 2002, Kristen Sipes and Debra Crowe met with Corrie Veenstra, Project Manager with the US. Army Corps of Engineers to review the application for Nationwide Permit 7, 12, and 33 and location of the stormwater outfall to Fisher Creek. Corrie indicated the application was complete and did not think NWP 12 would be necessary since the portion of Coyote Creek being crossed is non-tidal. She indicated a permit would be forthcoming in 2 to 3 weeks. Corrie did not have concerns with the outfall location or construction methods proposed.

## **APPENDIX A**

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### **Cumulative Wildlife Species Observed In or Near the Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to July 31, 2002)**

| <b>Common Name</b>                                      | <b>Scientific Name</b>                        | <b>Location</b> |  |  |
|---|---|-----------------|--|--|
| <b>INSECTS</b>  |   |                 |  |  |
| Bay checkerspot butterfly                               | <i>Euphydryas editha</i> spp. <i>Bayensis</i> | TH              |  |  |
| Cabbage white butterfly                                 | <i>Pieris rapae</i>                           | EC              |  |  |
| Anise swallowtail butterfly                             | <i>Papilio zelicaon</i>                       | TH              |  |  |
| Buckeye butterfly                                       | <i>Precis coenia</i>                          | TH              |  |  |
| Painted lady butterfly                                  | <i>Vanessa cardui</i>                         | EC              |  |  |
| Opler's longhorn moth                                   | <i>Adela oplerella</i>                        | TH              |  |  |
| Tarantula   | <i>Euryopelma californicum</i>                | TH              |  |  |
| <b>AMPHIBIANS AND REPTILES</b>                          |   |                 |  |  |
| Pacific tree frog                                       | <i>Hyla regilla</i>                           | TH, FC, EC      |  |  |
| Arboreal salamander                                     | <i>Aneides lugubris</i>                       | TH, EC          |  |  |
| Western fence lizard                                    | <i>Sceloporus occidentalis</i>                | EC, TH, LA, FC  |  |  |
| Side-blotched lizard                                    | <i>Uta stansburiana</i>                       | EC              |  |  |
| Southern alligator lizard                               | <i>Elgaria multicarinata</i>                  | EC, TH          |  |  |
| Western skink   | <i>Eumeces skiltonianus</i>                   | TH              |  |  |
| Gopher snake  | <i>Pituophis melanoleucus</i>                 | EC, LA, FC      |  |  |
| <b>BIRDS</b>  |   |                 |  |  |
| Pied-billed grebe                                       | <i>Podilymbus podiceps</i>                    | FC, CC          |  |  |
| American white pelican                                  | <i>Pelecanus erythrorhynchos</i>              | EC*             |  |  |
| Double-crested cormorant                                | <i>Phalacrocorax auritus</i>                  | CC*             |  |  |
| Canada goose  | <i>Branta canadensis</i>                      | EC*, CC         |  |  |
| Mallard   | <i>Anas platyrhynchos</i>                     | FC, CC          |  |  |
| Gadwall   | <i>Anas strepera</i>                          | FC              |  |  |
| Wood duck   | <i>Aix sponsa</i>                             | FC, CC          |  |  |
| Common merganser  | <i>Mergus merganser</i>                       | FC              |  |  |
| Hooded merganser  | <i>Lophodytes cucullatus</i>                  | FC              |  |  |
| American coot   | <i>Fulica americana</i>                       | FC, CC          |  |  |
| Great blue heron  | <i>Ardea heroides</i>                         | FC              |  |  |
| Green heron   | <i>Butorides virescens</i>                    | FC, CC          |  |  |
| Great egret   | <i>Casmerodius albus</i>                      | FC              |  |  |
| Killdeer  | <i>Charadrius vociferus</i>                   | LA, LEA*, EC    |  |  |
| White-tailed kite                                       | <i>Elanus caeruleus</i>                       | FC              |  |  |
| Northern harrier  | <i>Circus cyaneus</i>                         | FC, TH          |  |  |
| <b>Location:</b>  |   |                 |  |  |
| CC = Coyote Creek Riparian Corridor                     | TH = Tulare Hill Ecological Preserve          |                 |  |  |
| EC = Metcalf Energy Center Plant Site                   | TL = Transmission Line Corridor               |                 |  |  |
| FC = Fisher Creek Riparian Corridor                     | WL = Water Line Corridor                      |                 |  |  |
| GP = Gas Pipe Line Corridor                             | LEA = Laydown expansion area                  |                 |  |  |
| LA = Laydown Area                                       |   |                 |  |  |
| <b>Notes:</b>   |   |                 |  |  |
| * Flyover or otherwise not utilizing area resources.    |   |                 |  |  |
| ** Non-active sign (i.e. carcass, feather, nest, track) |   |                 |  |  |

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to July 31, 2002) (Continued)**

| <b>Common Name</b>                                      | <b>Scientific Name</b>          | <b>Location</b>                      |
|---|---------------------------------|--------------------------------------|
| <b>BIRDS (continued)</b>                                |                                 |                                      |
| Turkey vulture  | <i>Cathartes aura</i>           | EC*, TH, LA                          |
| Golden eagle  | <i>Aquila chrysaetos</i>        | TH                                   |
| Osprey  | <i>Pandion haliaetus</i>        | CC*, TH, EC, FC                      |
| Sharp-shinned hawk                                      | <i>Accipiter striatus</i>       | FC, TH                               |
| Cooper's hawk   | <i>Accipiter cooperii</i>       | CC, EC*, FC                          |
| Red-shouldered hawk                                     | <i>Buteo lineatus</i>           | EC, FC, LA, CC, LEA                  |
| Red-tailed hawk   | <i>Buteo jamaicensis</i>        | EC, FC, GP, TH, TL, CC               |
| American kestrel  | <i>Falco sparverius</i>         | EC, TH                               |
| Prairie falcon  | <i>Falco mexicanus</i>          | TH                                   |
| California quail  | <i>Callipepla californica</i>   | CC, GP                               |
| Spotted sandpiper                                       | <i>Actitis macularia</i>        | FC                                   |
| Mourning dove   | <i>Zenaida macroura</i>         | EC, FC, TH, TL, CC                   |
| Rock dove   | <i>Columba livia</i>            | EC*, TH*                             |
| Anna's hummingbird                                      | <i>Calypte anna</i>             | TH, CC                               |
| Hummingbird sp.   |                                 | EC, TH, FC                           |
| Belted kingfisher                                       | <i>Ceryle alcyon</i>            | FC, EC*, CC                          |
| Northern flicker  | <i>Colaptes auratus</i>         | EC, FC, TH                           |
| Nuttall's woodpecker                                    | <i>Picoides nuttallii</i>       | FC, EC                               |
| Downy woodpecker  | <i>Picoides pubescens</i>       | EC, FC                               |
| Black phoebe  | <i>Sayornis nigricans</i>       | EC, FC, TL, LEA, CC                  |
| Say's phoebe  | <i>Sayornis saya</i>            | LEA                                  |
| Western scrub-jay                                       | <i>Aphelocoma californica</i>   | EC, FC, LEA, CC                      |
| Common raven  | <i>Corvus corax</i>             | EC, TH, FC, CC                       |
| Horned lark   | <i>Eremophila alpestris</i>     | TH                                   |
| Cliff swallow   | <i>Petrochelidon pyrrhonota</i> | FC, EC, TL                           |
| Barn swallow  | <i>Hirundo rustica</i>          | EC, LEA                              |
| Oak titmouse  | <i>Baeolophus inornatus</i>     | FC, CC                               |
| Chestnut-backed chickadee                               | <i>Poecile rufescens</i>        | FC                                   |
| Bushtit   | <i>Psaltriparus minimus</i>     | EC, FC, FC**, GP, TL, CC             |
| White-breasted nuthatch                                 | <i>Sitta carolinensis</i>       | FC                                   |
| Bewick's wren   | <i>Thryomanes bewickii</i>      | FC, TH, CC                           |
| Rock wren   | <i>Salpinctes obsoletus</i>     | FC, TH                               |
| <b>Location:</b>  |                                 |                                      |
| CC = Coyote Creek Riparian Corridor                     |                                 | TH = Tularc Hill Ecological Preserve |
| EC = Metcalf Energy Center Plant Site                   |                                 | TL = Transmission Line Corridor      |
| FC = Fisher Creek Riparian Corridor                     |                                 | WL = Water Line Corridor             |
| GP = Gas Pipe Line Corridor                             |                                 | LEA = Laydown expansion area         |
| LA = Laydown Area                                       |                                 |                                      |
| <b>Notes:</b>   |                                 |                                      |
| * Flyover or otherwise not utilizing area resources.    |                                 |                                      |
| ** Non-active sign (i.e. carcass, feather, nest, track) |                                 |                                      |

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to July 31, 2002) (Continued)**

| <b>Common Name</b>                                      | <b>Scientific Name</b>               | <b>Location</b> |  |  |
|---|--------------------------------------|-----------------|--|--|
| <b>BIRDS (CONTINUED)</b>                                |                                      |                 |  |  |
| Ruby-crowned kinglet                                    | <i>Regulus calendula</i>             | TH, FC, CC      |  |  |
| Northern mockingbird                                    | <i>Mimus polyglottos</i>             | EC, FC          |  |  |
| Western bluebird  | <i>Sialia mexicana</i>               | FC, CC, EC, LEA |  |  |
| American robin  | <i>Turdus migratorius</i>            | LA, EC, CC      |  |  |
| Loggerhead shrike                                       | <i>Lanius ludovicianus</i>           | TH, FC, EC      |  |  |
| Western kingbird  | <i>Tyrannus verticalis</i>           | CC              |  |  |
| European starling                                       | <i>Strunus vulgaris</i>              | LEA, FC, EC     |  |  |
| Rose-breasted grosbeak                                  | <i>Pheucticus ludovicianus</i>       | EC              |  |  |
| California towhee                                       | <i>Pipilo crissalis</i>              | EC, TH, FC, CC  |  |  |
| Dark-eyed junco   | <i>Junco hyemalis</i>                | FC, TH, CC      |  |  |
| White-crowned sparrow                                   | <i>Zonotrichia leucophrys</i>        | EC, FC, TH, CC  |  |  |
| Song sparrow  | <i>Melospiza melodia</i>             | EC, LA, LEA     |  |  |
| Yellow-rumped warbler                                   | <i>Dendroica magnolia</i>            | TH, FC, CC      |  |  |
| Western meadowlark                                      | <i>Sturnella neglecta</i>            | EC, LA, TH      |  |  |
| Red-winged blackbird                                    | <i>Agelaius phoeniceus</i>           | FC              |  |  |
| Brewer's blackbird                                      | <i>Euphagus cyanocephalus</i>        | FC, EC, CC      |  |  |
| Bullock's oriole  | <i>Icterus bullockii</i>             | FC, CC          |  |  |
| House finch   | <i>Carpodacus mexicanus</i>          | EC, CC, FC      |  |  |
| American goldfinch                                      | <i>Carduelis tristis</i>             | LEA             |  |  |
| Lesser goldfinch  | <i>Carduelis psaltria</i>            | EC, FC, CC, TH  |  |  |
| House sparrow   | <i>Passer domesticus</i>             | EC, FC, CC      |  |  |
| <b>MAMMALS</b>  |                                      |                 |  |  |
| Common raccoon  | <i>Procyon lotor</i>                 | FC**            |  |  |
| Striped skunk   | <i>Mephitis mephitis</i>             | TH**            |  |  |
| Opossum   | <i>Didelphis marsupialis</i>         | EC              |  |  |
| Coyote  | <i>Canis latrans</i>                 | TH              |  |  |
| Feral cat   | <i>Felis catus</i>                   | EC              |  |  |
| Bobcat  | <i>Lynx rufus</i>                    | CC**            |  |  |
| California ground squirrel                              | <i>Spermophilus beechyi</i>          | EC, FC, TH, TL  |  |  |
| Western gray squirrel                                   | <i>Sciurus griseus.</i>              | FC              |  |  |
| Valley pocket gopher                                    | <i>Thomomys bottae</i>               | LA**            |  |  |
| California vole   | <i>Microtus californicus</i>         | FC              |  |  |
| <u>Location:</u>  |                                      |                 |  |  |
| CC = Coyote Creek Riparian Corridor                     | TH = Tulare Hill Ecological Preserve |                 |  |  |
| EC = Metcalf Energy Center Plant Site                   | TL = Transmission Line Corridor      |                 |  |  |
| FC = Fisher Creek Riparian Corridor                     | WL = Water Line Corridor             |                 |  |  |
| GP = Gas Pipe Line Corridor                             | LEA = Laydown expansion area         |                 |  |  |
| LA = Laydown Area                                       |                                      |                 |  |  |
| <u>Notes:</u>   |                                      |                 |  |  |
| * Flyover or otherwise not utilizing area resources.    |                                      |                 |  |  |
| ** Non-active sign (i.e. carcass, feather, nest, track) |                                      |                 |  |  |

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to July 31, 2002) (Continued)**

| <b>Common Name</b>                                      | <b>Scientific Name</b>               | <b>Location</b> |  |  |
|---|--------------------------------------|-----------------|--|--|
| <b>MAMMALS (CONTINUED)</b>                              |                                      |                 |  |  |
| Deer mouse  | <i>Peromyscus maniculatus.</i>       | TH              |  |  |
| Norway Rat  | <i>Rattus norvegicus</i>             | EC              |  |  |
| Common muskrat  | <i>Ondatra zibethicus</i>            | FC              |  |  |
| Black-tailed jackrabbit                                 | <i>Lepus californicus</i>            | EC              |  |  |
| Feral pig   | <i>Sus scrofa</i>                    | CC**            |  |  |
| Mule (black-tailed) deer                                | <i>Odocoileus hemionus</i>           | FC, GP, CC      |  |  |
| <b>Location:</b>  |                                      |                 |  |  |
| CC = Coyote Creek Riparian Corridor                     | TH = Tulare Hill Ecological Preserve |                 |  |  |
| EC = Metcalf Energy Center Plant Site                   | TL = Transmission Line Corridor      |                 |  |  |
| FC = Fisher Creek Riparian Corridor                     | WL = Water Line Corridor             |                 |  |  |
| GP = Gas Pipe Line Corridor                             | LEA = Laydown expansion area         |                 |  |  |
| LA = Laydown Area                                       |                                      |                 |  |  |
| <b>Notes:</b>   |                                      |                 |  |  |
| * Flyover or otherwise not utilizing area resources.    |                                      |                 |  |  |
| ** Non-active sign (i.e. carcass, feather, nest, track) |                                      |                 |  |  |

## **APPENDIX B**

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### **WEAT Sign-In Sheets**

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 7/30/02

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

| Name (print)      | Name (signature)         | Company                    |
|-------------------|--------------------------|----------------------------|
| RICHARD MORTENSON | <i>Richard Mortenson</i> | FIRST ALARM SECURITY # 47, |
| Barbara Hatt      | <i>Barbara Hatt</i>      | CALPINE                    |
| EDWIN PERNIA      | <i>Edwin Pernia</i>      | FIRST ALARM                |
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Instructors: WEAT VIDEO (Administered by Todd Ellwood)  
Kristen Sipes, Calpine

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 7/8/02

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

| Name (print)  | Name (signature) | Company         |
|---------------|------------------|-----------------|
| MICHAEL white | Michael white    | Rosendin Elect  |
| ED LOGAN      | Ed Logan         | Rosendin Elect. |
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Instructor/s:

WEAT VIDEO (Administered by Todd Ellwood)

Kristen Sipes

**METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE: 7/17/02

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

| Name (print)       | Name (signature)   | Company           |
|--------------------|--------------------|-------------------|
| Jeanne McCauley    | Jeanne McCauley    | AJ SPECIAL EVENTS |
| Yvonne M Krogen    | Yvonne M. Krogen   | AJ Special Events |
| Charles H. McGehee | Charles H. McGehee | VALLEY MT. WATER  |
| John McCutchen     | John McCutchen     | Calpine           |
| Paul J Newman      | Paul J Newman      | Mortenson         |
|                    |                    |                   |
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Instructors:

WEAT VIDEO (Administered by Todd Ellwood)  
KRISSEN SLADE

**METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING****SIGN-IN SHEET**

(Biology, Archaeology, &amp; Paleontology)

DATE: 7/23/02**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

| Name (print)   | Name (signature) | Company |
|----------------|------------------|---------|
| Tim Anderson   | Tim Anderson     | Sheedy  |
| Tom Ballard    | Tom Ballard      | "       |
| Howard Correa  | Howard Correa    | "       |
| PATRICK ALTERM | PATRICK ALTERM   | "       |
| Chris Gregor   | Chris Gregor     | "       |
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Instructor/s:

WEAT VIDEO (Administered by Todd Ellwood)  
KRISTEN SIPPES

**METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET**  
*(Biology, Archaeology, & Paleontology)*

DATE: 7/24/02

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

| Name (print)   | Name (signature)     | Company     |
|----------------|----------------------|-------------|
| Brian Phillips | <u>BP</u>            | Lloyd Aubry |
| Jim Deacon     | <u>J Deacon</u>      | Lloyd Aubry |
| Brian Atkins   | <u>B Atkins</u>      | Lloyd Aubry |
| Joe Montoya    | <u>Joe Montoya</u>   | Lloyd Aubry |
| Joe Lawrence   | <u>Joe Lawrence</u>  | Lloyd Aubry |
| Bob McDonald   | <u>Bob McDonald</u>  | Rosendin    |
| Kono Soong     | <u>Kono Soong</u>    | Rosendin    |
| David Grattan  | <u>David Grattan</u> | Lloyd Aubry |
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Instructor/s: WEAT VIDEO (Administered by Todd Eitwood)  
K. Sipee

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 7/31/02

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

| Name (print) | Name (signature) | Company  |
|--------------|------------------|----------|
| Elaine Buck  | Elaine Buck      | Cal Pine |
| Mark Stoggs  | Mark Stoggs      | Shreddy  |
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Instructor/s:

WEAT VIDEO (Administered by Field-Hoodoo)  
K. SipeS

**ATTACHMENT 1**

---

**Agency Personnel Site Visit Information**

**Crowe, Debra/SAC**

---

**From:** Kristen Sipes [ksipes@calpine.com]  
**Sent:** July 25, 2002 11:19 AM  
**To:** 'katkinson@dfg.ca.gov'  
**Cc:** Crowe, Debra/SAC  
**Subject:** MEC supplemental information for CDFG SAA  
**Importance:** High

Kristine,  
See the message below forwarded from Debra Crowe.

Kristen Sipes  
Environmental Compliance Manager  
Metcalf Energy Center

P.O. Box 13097  
Coyote, CA 95013  
408-463-6001/925-200-1193 cell  
408-463-6077 fax

Hi Kristine,

It was good to meet you at the Metcalf Energy Center site visit, July 17. Thank you for your guidance concerning the streambed alteration agreement (SAA) permit process for the stormwater outfall and gas pipeline construction. As per your request, I have pulled together the information for the stormwater outfall construction from the SAA notification package into a few paragraphs to make it easier for you to find the needed information to prepare the permit. Also, as you suggested, Calpine is requesting to add the riparian enhancement plantings for the Fisher Creek riparian corridor under the permit (the plantings were briefly described in the previous SAA Notification Number R3-2001-0690 but the tree species and acreage of area to be restored were not included).

**Stormwater Outfall Construction**

The MEC site layout plans include construction of a stormwater basin and an associated stormwater outfall into Fisher Creek at the southwest corner of the site. Installation of the outfall pipe will require temporary and permanent disturbances of the Fisher Creek levee bank. Temporary disturbance will occur with construction of the discharge pipe through the levee. Permanent disturbance will occur with construction of the stormwater outfall structure and rip rap apron on the east inside bank of the creek. The stormwater will collect from the MEC site footprint through underground catch basins that are piped to the stormwater detention basin. The basin collects the stormwater and allows for settling of sediments and suspended materials prior to being discharged to Fisher Creek. The stormwater will be discharged under a National Pollution Discharge Elimination System (NPDES) permit from the San Francisco Bay Regional Water Quality Control Board.

The stormwater will flow into a 3-foot diameter standing pipe structure located inside the basin to an underground pipe that discharges to an open surface swale. The swale will contain riprap material to slow flows and reduce erosion potential. The swale is approximately 105 feet long, starting at 246 feet in elevation and ending at 245.48 feet in elevation where it flows into an underground 24-inch diameter pipe placed through the levee to an outfall structure in the east bank of Fisher Creek. The underground portion of the pipe is approximately 64 feet in length and constructed of 14 gauge corrugated metal that will be flush with the creek bank surface. The elevation of the outfall structure is 245.15 feet in elevation. The mean high water is at 244 feet in Fisher Creek. The toe of bank in

Fisher Creek is at 242 feet in elevation. A riprap apron will be constructed in a 3-foot deep excavated area lined with geotextile fabric. It will extend from approximately 22 feet above the outfall structure (6 feet back from the top of bank) and to approximately 4.5 feet past the toe of bank. The total length is 43 feet and approximately 8 feet wide. Approximately 40 cubic yards of riprap material would be used in the apron. Cement grout will surround the outfall structure. An emergency spillway is located at the west end of the detention basin. This emergency spillway is to convey stormwater to the swale and adjacent area behind the existing levee in the event of a plugged basin discharge structure or during an extremely high precipitation event where there is excess stormwater. The outfall location and design drawings are shown on Figures 2a-2d of the application. In addition, Calpine is providing construction drawings of the detention basin that was not included in the Notification for this project.

Construction of the outfall structure and associated pipe will require access by heavy equipment (backhoe) on the top of the levee and clearing of groundcover vegetation, but will not include the removal of riparian trees. An excavator and loader will operate from the top of the levee. Motorized tracked and wheeled equipment will not be stationed within the down-slop bank of Fisher Creek. The work area is approximately 225 feet by 60 feet on the levee and at the outfall, including the swale. Installation of the proposed outflow pipe would be constructed using the open-cut trench method in the levee bank. A half-moon coffer dam would be constructed within Fisher Creek to isolate the construction area and any materials from entering the creek. The coffer dam would be constructed of materials such as sand bags, silt fencing, or other material that would not leach sediments or other debris to the creek. The dam will not encompass the entire width of the creek so that water can continue to flow along the west bank of the creek. Pumps and hoses will be used to de-water the dam enclosure as needed. Water will be pumped into the on-site stormwater basin for evaporation and/or settlement before being discharged back into the creek. Excavated material will be stockpiled on the upland side of the levee and will be surrounded by erosion control devices such as hay bails and silt fencing. Following the installation of the pipe, the stockpiled material will be used to fill and restore the bank topography. The bank around the pipe will be stabilized with riprap (as described above). Following re-contouring and stabilization, the coffer dam will be dismantled and bank to bank flow will be restored. Construction is expected to take less than 1 month and will occur during dry summer months, when water level and flow is low.

Restoration of the immediate work area will be conducted as per the Erosion Control and Revegetation Plan for the project. A copy of this plan was given to you during the site visit. To summarize the plan, native herbaceous vegetation will be hydro seeded in the immediate work disturbance area to minimize erosion of the bank. The native species used for erosion control include: California native brome (*Bromus carinatus*), California melic grass (*Melica californica*), blue wild rye (*Elymus glaucus*), California poppy (*Eschscholzia californica*), Arroyo lupine (*Lupinus succulentus*), and zorro fescue (*Vulpia myuros*) at 29 pounds per acre. In addition to revegetation with the native annuals, the project area will be enhanced with native riparian trees and shrubs as part of an enhancement plan. As part of the MEC project, the 100-foot setback from the riparian corridor boundary will be enhanced with riparian vegetation. A copy of the Fisher Creek Riparian Corridor Enhancement Plan for the Metcalf Energy Center Project was given to you at the site visit. The enhancement plan includes plantings of elderberry (*Sambucus mexicana*), Valley oak (*Quercus lobata*), coast live oak (*Quercus agrifolia*), coffeeberry (*Rhamnus californica*), California buckeye (*Aesculus californica*), and sycamore (*Platanus racemosa*). Approximately 9.6 acres of riparian habitat will be enhanced along Fisher Creek, which includes the stormwater outfall location. In addition, a conservation easement was established on the Fisher Creek riparian corridor as part of the Metcalf Energy Center Ecological Preserve. The MEC Ecological Preserve was dedicated to the Land

Trust for Santa Clara County on April 19, 2002 and will managed and monitored in perpetuity. An endowment was established for the Land Trust to fund the costs of management and monitoring. Calpine is requesting that the enhancement activities be added to the streambed alteration agreement for this project. The erosion control and revegetation plan and riparian corridor enhancement plan were negotiated during consultation under Section 7 of the federal Endangered Species Act with U.S. Fish and Wildlife Service and was approved by the California Energy Commission. These plans are included in the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) for the MEC project. The BRMIMP identifies responsible entities, sensitive biological resources in the project area, mitigation and protection measures for biological resources, a worker environmental awareness training program developed for the project, monitoring requirements to ensure mitigation measures are implemented, and reporting requirements to the California Energy Commission (as lead state agency), U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency (as lead federal agency), and California Department of Fish and Game.

Thanks much and let me know if you have any other questions or concerns,  
Debra

P.S. Marjorie says "hi" and she is anxious to meet up again.

**Debra Crowe**

Wildlife/Wetlands Biologist

CH2MHILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Office (916) 920-0212 ext. 385

Office direct (916) 286-0385

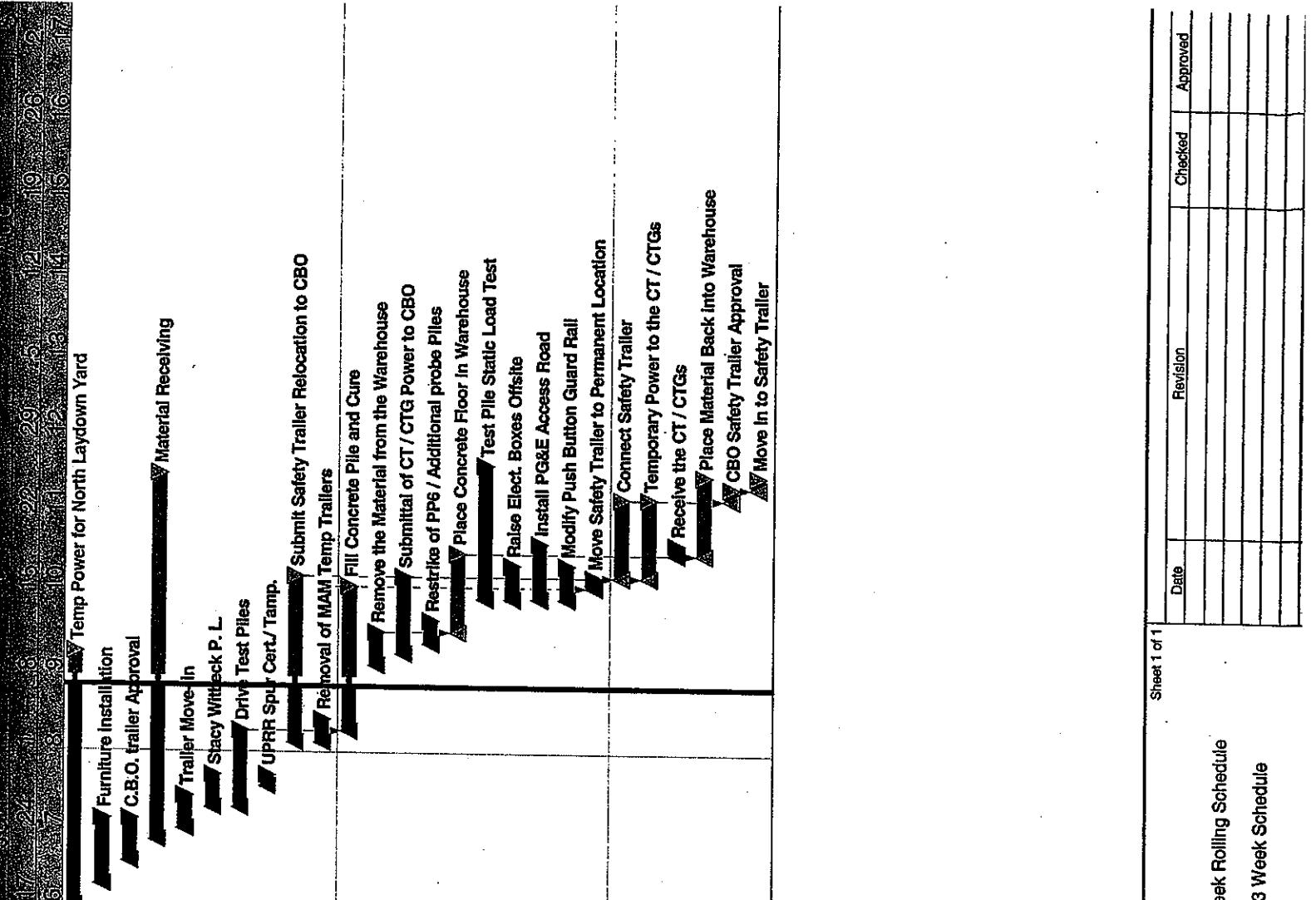
Cell: (916) 715-1161

Main Desk: (916) 920-0300

Fax: (916) 920-8463

**CONDITION OF CERTIFICATION CUL-7  
WEEKLY SCHEDULES**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10



Sheet 1 of 1

MET3

15MAY02

26JUL02

07JUL02

08JUL02 19:55

Date

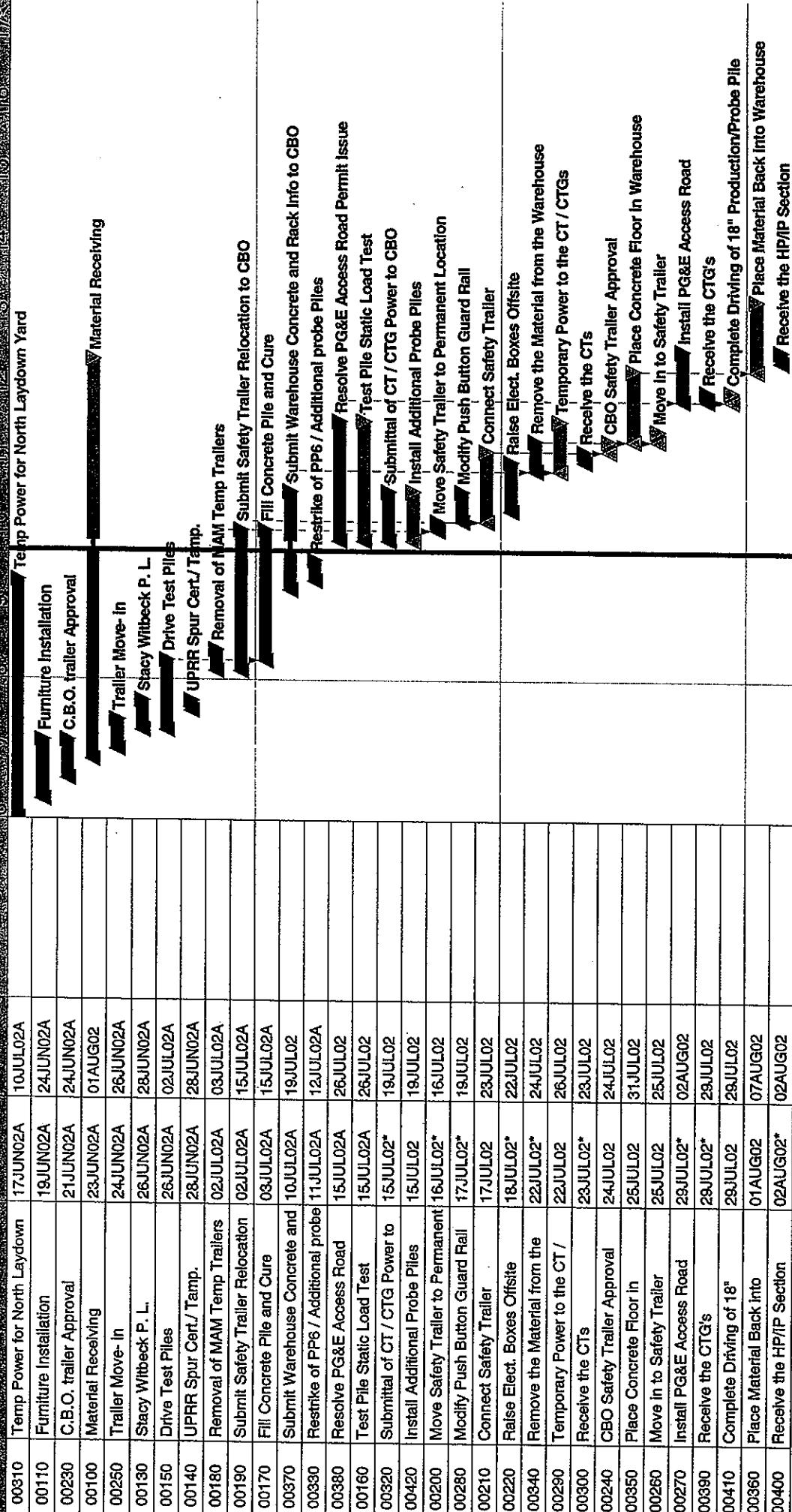
Revision

Checked

Approved

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule



| Date | Revision | Checked | Approved |
|------|----------|---------|----------|
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Sheet 1 of 1

METS

MEC 3 Week Rolling Schedule  
Rolling 3 Week Schedule

**CONDITION OF CERTIFICATION PAL-4  
PALEO MONTHLY SUMMARY REPORT**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

**Metcalf Energy Center Project**  
**Paleontological Resource Monitoring and Mitigation Program**

**Monthly Report**

**Project Name:** Metcalf Energy Center (MEC)

**Project Number:** 01-17

**Clients:** Calpine/CH2M Hill

**Month:** July 2002

**Designated Paleontological Resource Specialist:** Dr. Lanny H. Fisk, PhD, RG

**Monthly Report for July 2002:**

*During the month of July 2002, PaleoResource Consultants (PRC) worked with Calpine Corporation through its environmental consultants, CH2M Hill, to monitor and mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In July, the Paleontological Resource Monitoring and Mitigation Program (PRMMP) for the MEC project consisted of monitoring only at the power plant site. Construction of the natural-gas pipeline, cooling-water pipeline, and electrical transmission line is not scheduled to start until later.*

*In July, PRC provided a part-time paleontological monitor (Mr. Jaspal Saini, MSc) to implement the PRMMP required by the California Energy Commission (CEC) as part of the Conditions of Certification (COCs) for the project. In its COCs for MEC, the CEC mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. SVP guidelines require that a project with a high potential for disturbing significant fossils must include full-time monitoring by a qualified paleontologist whenever a sensitive stratigraphic unit is being disturbed by earth moving. The primary responsibility of the paleontological monitor is to salvage any fossils encountered and record geologic and geographic information on each fossil locality. In compliance with CEC COCs and SVP standard guidelines, a PRC qualified paleontologist monitored all earth-moving activities judged likely to disturb paleontological resources.*

*The only ground-disturbing activity requiring monitoring this month at the MEC plant site was the boring of five 18" holes to a depth of six (6) feet for electrical light poles. Boring was monitored only during part of one day and no paleontological resources were observed.*

*PRC paleontological monitors are available and "on-call" for whenever earth moving resumes for the remainder of the MEC project.*

**CONDITION OF CERTIFICATION SOCIO-1  
PLANNED PROCUREMENT**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

| <b>Material/equipment</b>   | <b>Manufacturer</b>              | <b>Point of Origin</b> | <b>Reason</b>         |
|-----------------------------|----------------------------------|------------------------|-----------------------|
| Circulating Water Pumps     | Flowserve                        | Mexico                 | Not available locally |
| Condensate Pumps            | Flowserve                        | Mexico                 | Not available locally |
| Step-up transformers        | ABB, Inc.                        | New Jersey             | Not available locally |
| Unit auxiliary transformers | ABB, Inc.                        | New Jersey             | Not available locally |
| Generator Circuit Breakers  | Receiving bids – not yet awarded | N/A                    | N/A                   |
| Water Treatment Equipment   | Aquatech                         | Pennsylvania           | Not available locally |

**CONDITION OF CERTIFICATION CIVIL-4  
REPORT TO CBO FROM CIVIL ENGINEER**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10



## Burns and Roe Enterprises, Inc.

2000 Crawford Place, Suite 100, Mt. Laurel, New Jersey 08054  
Phone: (856) 914-5800 Fax: (856) 914-5940

July 26, 2002  
CBO - 00054  
File No.: 1.6  
Response Required: No

Mr. Hans Kosten  
1430 Koll Circle, Suite 103  
San Jose, CA 95112-4608

**Subject:** Wildan Plan Check No. 13254-C2011  
Condition of Certification CIVIL-4  
Site Observation Report

Dear Mr. Kosten:

In accordance with your request we have enclosed for your review one (1) sealed original of the "Site Observation Report" dated July 25, 2002. This report is submitted to provide the responsible engineer's signed statement for phase 1 grading and erosion & sedimentation control as required by Condition of Certification CIVIL-4.

Also, four (4) sealed originals of the report have been sent to Mr. David Newman of Willdan for review and distribution.

If you have any questions, please do not hesitate to call Mr. Nitin Motiwala at 856-914-5826.

Very truly yours,

A handwritten signature in black ink, appearing to read "James Ferrara".

James Ferrara  
Project Manager

Enclosures

cc: Mr. David Newman, (w/attachment (4 copies))  
Willdan  
2399 Gateway Oaks Drive - Room 210  
Sacramento, CA 95833  
Kristen Sipes, Calpine  
Jim Kimura, Calpine (w/attachment)  
Om Kalani  
Nitin Motiwala  
Martin Ballod



**Burns and Roe Enterprises, Inc.**

2997 Crawford Place, Suite 100, Mt. Laurel, New Jersey 08054

Phone: (609) 914-5200 Fax: (609) 914-8940

July 26, 2002

CBO - 00054

File No.: 1.6

Response Required: No

Mr. Hans Kosten  
1430 Koll Circle, Suite 103  
San Jose, CA 95112-4608

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If you have any questions, please do not hesitate to call Mr. Nitin Motiwala at 856-914-5826.

Very truly yours,

James Ferrara  
Project Manager

Enclosures

cc: Mr. David Newman, (w/attachment (4 copies))  
Willdan  
2399 Gateway Oaks Drive - Room 210  
Sacramento, CA 95833  
Kristen Sipes, Calpine  
Jito Kimura, Calpine (w/attachment)  
Om Kalani  
Nitin Motiwala  
Martin Ballod



BURNS & ROE ENTERPRISES, INC.

## Site Observation Report

Report Date: July 25, 2002

Dates of Site Visit: July 17, 2002 & July 18, 2002

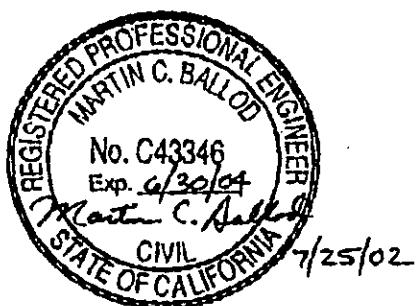
Site Location: Metcalf Energy Center; San Jose, CA

BREI Visitors to Site: Martin C. Ballod; Ed Ostrander

CBO Site Contact: Mr. Hans Kosten

Contacts at Site: Calpine – Mr. Jim Kimura; Ms. Kristin Sipes  
Mortenson – Mr. Kevin Deters

Report Prepared By: Martin C. Ballod





BURNS & ROE ENTERPRISES, INC.

## Site Observation Report

July 25, 2002

### Purpose of Visit:

This site visit was made to confirm that phase 1 construction is in accordance with issued and approved rough grading drawings. The scope of this site inspection included phase 1 grading, erosion & sedimentation control and the retaining wall at the East boundary of the site as shown on the applicable rough grading drawings.

### General Site Observations:

Based on visual inspection, the general site area was observed to be in very good order. Site grading required per Rough Grading Phase 1 drawings is substantially complete and in accordance with the issued drawings. Areas are in good order and the quality of grading work completed to date is excellent.

The perimeter silt fencing required by the Civil-1 package drawings is in place and installed correctly. Drainage slopes and swales were observed to be substantially in conformance with the design as shown on the phase 1 drawings. The retaining wall on the east boundary of the site and the perimeter construction fencing has also been installed and substantially meets the requirements of the issued drawings.

Phase 1 work that has not been completed includes installation of the 30" diameter storm drain piping, the discharge structure, piping & ditch for the storm water basin along with the storm water basin emergency spillway (Ref. Bechtel drawings 0-CG-0100-00001(3) & 0-CG-0090-00005(1) ). This work is scheduled to be completed in October, 2002.

An additional line of silt fencing that defines the environmentally sensitive areas has been installed. This line of silt fencing is not required by the Civil-1 package drawings.

### Inspection/Compaction Report Review:

The available Nuclear Probe Test Data Sheets for fill, placed as part of the Civil-1 package site grading work, were reviewed. All locations on test reports reviewed showed that satisfactory levels of compaction were attained or re-tests were performed after satisfactory compaction was achieved.



BURNS & ROE ENTERPRISES, INC.

## Site Observation Report

July 25, 2002

### Recommendations:

1. Because the Phase 1 main storm system piping has not yet been installed, the storm water basin presently is not being utilized as a sedimentation basin and the temporary drainage swales from the power block and cooling tower areas are diverted near their intersection point. The collected drainage is sent toward the silt fencing at approximately N 10,000. Silt fencing is designed to filter sediment from slow moving, sheet flow drainage. During a substantial storm event, the silt fence could easily become overwhelmed by a concentrated flow from the existing diversion. Although rainfall during the San Jose dry season is rare, according to the National Weather Service it does occur "as a result of late or early season storm fronts or southerly surges of subtropical moisture". Soil erosion and sediment control philosophy is based on the prevention of sediment transfer from the project site with the premise that the occurrence of rainfall events cannot be accurately predicted. Therefore, it is recommended that the storm water piping be installed or additional District approved soil erosion measures be implemented, such as a level spreader at the diversion outlet. Alternately the installation of an additional line of hay bales, approximately 12' in length located at the diversion outlet, would protect the silt fence from failure until the storm water piping is installed.
2. The storm water basin emergency spillway has not been formed. This will not be a major concern until such time as the basin is put into service. The basin can be utilized prior to installation of the final outfall structure and dewatered by pumps as required. However, it should not be used without the installation of the emergency spillway. If the spillway is not in place, the basin is susceptible to potential failure if the embankment is overtopped. The basin emergency spillway and associated erosion protection should be installed as soon as possible and prior to any basin usage.

## **COMPLIANCE MATRIX**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| START OF MOBILIZATION/ROUGH GRADING |  | 1/16/2002  | START OF CONSTRUCTION   |                         | 9/11/2002                 |                          |                 |  |  |  |
|-------------------------------------|--|--|---|-------------------------|---------------------------|--------------------------|-----------------|--|--|--|
| Condition No.                       | Requirements & Task Summary  | Action required  | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments |  |  |  |
| AQ-1                                | Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs; and S-2 and S-4 HRSGs.  | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-2                                | Tune combustions of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.  | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-3                                | Install, adjust, and operate A-1 and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs).   | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-4                                | With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.   | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-5                                | Submit plan to DfSPD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.  | At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan   | 28 days prior to first fire of Gas Turbines                     |                         |                           |                          |                 |  |  |  |
| AQ-6                                | Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.   | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-7                                | Install, calibrate, operate District approved CEMS monitors prior to first firing of GTs and HRSGs.  | In Monthly Compliance Report indicate how this condition is being implemented.   | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-8                                | Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.  | In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.  | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-9                                | Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.   | In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.  | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-10                               | Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations. | In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.  | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-11                               | Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4805; CO = 1,498; POC = 495; PM10 = 468; SO2= 42.                  | In the monthly compliance report indicate any violations of the emission limits  | Monthly Compliance Report                                       |                         |                           |                          |                 |  |  |  |
| AQ-12                               | Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.                | 20 working days before the execution of the source tests, submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition. | 20 days prior to source test per AQ-12                          |                         |                           |                          |                 |  |  |  |
| AQ-12                               | Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.                | Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.  | Within 30 days of source tests per AQ-12 complete               |                         |                           |                          |                 |  |  |  |
| AQ-12                               | Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.                | Notify the District and the CEC CPM.   | Within seven (7) working days prior to the planned testing date |                         |                           |                          |                 |  |  |  |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |  |   |                               |                      |                            |                           |
|---|--|---|-------------------------------|----------------------|----------------------------|---------------------------|
| START OF MOBILIZATION/ROUGH GRADING       |  | 1/14/2002   |                               |                      |                            |                           |
| START OF CONSTRUCTION                     |  | 9/1/2002  |                               |                      |                            |                           |
| Condition No.                             | Requirements & Task Summary  | Action required   | Event                         | Required Submit Date | Date submitted to CP/MICBO | Date approved by CP/MICBO |
| Comments                                  | Status   |   |                               |                      |                            |                           |
| AQ-13                                     | GTs (S-1, S-3) and HRSGs (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO <sub>2</sub> and PM10).  | As part of the semannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.   | Semannual Air Quality Reports |                      |                            |                           |
| AQ-14                                     | Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average). (PSD for NO <sub>x</sub> )   | As part of the Air Quality monthly Reports. Include information on the date and time when the hourly fuel consumption exceeds this hourly limit.  | Monthly Air Quality Reports   |                      |                            |                           |
| AQ-15                                     | Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)  | As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceeds this daily limit.   | Monthly Air Quality Reports   |                      |                            |                           |
| AQ-16                                     | Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs (S-2, S-4) shall not exceed 35,274,060 MMBtu/hr. (Offsets)   | As part of the Air Quality monthly Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit.  | Annual Air Quality Reports    |                      |                            |                           |
| AQ-17                                     | HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NO <sub>x</sub> )  | As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.  | Monthly Air Quality Reports   |                      |                            |                           |
| AQ-18                                     | GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.   | As part of the semannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs. | Semannual Air Quality Reports |                      |                            |                           |
| AQ-19                                     | GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.   | As part of the semannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.       | Semannual Air Quality Reports |                      |                            |                           |
| AQ-20(a)                                  | Emission requirements: Emission Point P-1 NO <sub>x</sub> = 19.2 lbs/hr/[0.00904 lbs/MMBTU (HHV)] of nat. gas fired; Emission Point P-2 NO <sub>x</sub> = 19.2 lbs/hr/[0.00904 lbs/MMBTU (HHV)] of nat. gas fired.   | As part of the semannual Air Quality Reports, indicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.  | Semannual Air Quality Reports |                      |                            |                           |
| AQ-20(b)                                  | NO <sub>x</sub> Emission concentration = 2.5 ppmvd [corrected to 15% O <sub>2</sub> ; 1-h average (Emission Point P-1, P-2) (BACT for NO <sub>x</sub> ).   | Same as above   | Semannual Air Quality Reports |                      |                            |                           |
| AQ-20(c)                                  | CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg., (Emission Point P-1, P-2), When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average. | Same as above   | Semannual Air Quality Reports |                      |                            |                           |
| AQ-20(d)                                  | Ammonia (NH <sub>3</sub> ) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.  | Same as above   | Semannual Air Quality Reports |                      |                            |                           |
| AQ-20(e)                                  |  |   |                               |                      |                            |                           |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary   | Action required  | Event                              | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status & Comments |
|-------------------------------------|---|--|------------------------------------|-------------------------|---------------------------|--------------------------|-------------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002   |  |                                    |                         |                           |                          |                   |
| START OF CONSTRUCTION               | 9/1/2002  |  |                                    |                         |                           |                          |                   |
| AQ-20(f)                            | Precursor organic compounds (POC) mass emissions (as CH <sub>4</sub> ) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).   | Same as above  | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-20(g)                            | Sulfur dioxide (SO <sub>2</sub> ) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb /MM BTU of natural gas fired. (BACT)  | Same as above  | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-20(h)                            | PM10 mass emission s at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG fuel burners are in operation. | Same as above  | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-21                               | GT (S-1, S-3) Start-up and Shutdown emission rates. Same as above   |  | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-22                               | Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.  | In the monthly compliance report indicate how this condition is being implemented.   | Monthly Compliance Report          |                         |                           |                          |                   |
| AQ-23                               | HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.  | In the semiannual compliance report indicate how this condition is being implemented   | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-24                               | Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.  | As part of the semiannual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.   | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-25                               | Cumulative combined emissions in tons/year consecutive 12-month period, from GTs and HRSGs shall not exceed NOx = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=91.3 (offsets), SO <sub>2</sub> =10.6 (cumulative increase).  | As part of the semiannual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.   | Semiannual Air Quality Reports     |                         |                           |                          |                   |
| AQ-26                               | Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3,736 lbs/yr (b) Benzene = 460 lbs/yr (c) PAHs=22.8 lbs/yr  | As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation. | Annual Air Quality Reports         |                         |                           |                          |                   |
| AQ-26                               | Perform health risk assessment using emission rates per BAAQID approved procedures and submit risk analysis to District and CPM.  | As part of the annual Air Quality Reports, indicate the date of any violation or submit risk analysis to District and CPM.   | Within 60 days of source test date |                         |                           |                          |                   |
| AQ-27 (a-d)                         | Demonstrate compliance with conditions 14-17, 20(a), d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.   | As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.       | Annual Air Quality Reports         |                         |                           |                          |                   |

## METGALF ENERGY CENTER - COMPLIANCE MATRIX

| START OF MOBILIZATION/ROUGH GRADING |   | 1/14/2002   | START OF CONSTRUCTION  |                         | 9/1/2002                  |                         |                 |
|-------------------------------------|---|---|--|-------------------------|---------------------------|-------------------------|-----------------|
| Condition No                        | Requirements & Task Summary   | Action required   | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CM/CBO | Status/Comments |
| AQ-27(e-f)                          | Use parameters in condition 27(a-d) and District approved methods to calculate the following: (e) Heat Input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2). | As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.                            | Annual Air Quality Reports   |                         |                           |                         |                 |
| AQ-27(g-h)                          | For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.   | As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.                            | Annual Air Quality Reports   |                         |                           |                         |                 |
| AQ-28(a-b)                          | Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions from Pm10 and SO2 from each power train.  | As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.                    | Monthly Air Quality Reports  |                         |                           |                         |                 |
| AQ-28                               | Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).  | As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.                            | Annual Air Quality Reports   |                         |                           |                         |                 |
| AQ-30                               | Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).  | Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition. | 90 days before startup   |                         |                           |                         |                 |
| AQ-30                               | Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).   | Conduct test within 60 days of startup  | Within 60 days of startup  |                         |                           |                         |                 |
| AQ-30                               | Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).   | Submit source test results to the District and to the CEC CPM.  | Within 30 days of the tests  |                         |                           |                         |                 |
| AQ-30                               | Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).   | Notify the District and the CEC CPM.  | Within seven working days before the execution of the source tests.    |                         |                           |                         |                 |
| AQ-31                               | Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.   | Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.   | 90 days before startup   |                         |                           |                         |                 |
| AQ-31                               | Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.   | Conduct test within 60 days of startup and on annual basis thereafter.  | Within 60 days startup   |                         |                           |                         |                 |
| AQ-31                               | Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.   | Notify the District and the CEC CPM.  | Within seven (7) working days before the execution of the source tests |                         |                           |                         |                 |
| AQ-31                               | Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.   | Submit source test results to the District and to the CEC CPM.  | Within 30 days of the date of the tests                                |                         |                           |                         |                 |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |  |  |  |  |                           |                          |
|---|--|--|--|--|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date                          | Date submitted to CPM/CBO | Date approved by CPM/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 11/14/2002   |  |  |  |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002   |  |  |  |                           |                          |
| AQ-32                                     | Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.                                      | Provide a copy of source test protocol.  | 90 days before startup                                     |  |                           |                          |
| AQ-32                                     | Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.                                      | Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s). | 7 days prior to testing date(s)                            |  |                           |                          |
| AQ-33                                     | Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.                   | Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.                     | Execution of the Source Tests                              |  |                           |                          |
| AQ-33                                     | Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.                   | Conduct test.  | Within 60 days of startup and on biennial basis thereafter |  |                           |                          |
| AQ-33                                     | Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.                   | Source test results shall be submitted to the District and the CEC CPM.  | Within thirty (30) days of conducting the test             |  |                           |                          |
| AQ-34                                     | Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.                                   | Submit a copy of test protocols at least 90 days before startup.   | 90 days before startup                                     |  |                           |                          |
| AQ-35                                     | Maintain records and reports on site for a minimum of 5 years.   | During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.  | AQ Inspection per AQ-35                                    |  |                           |                          |
| AQ-36                                     | Notify District and CPM of any violations of these permit conditions.  | Submission of these notifications as required by this condition is the verification of these permit conditions.  | Violation of Permit Conditions                             |  |                           |                          |
| AQ-37                                     | Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GT/HRSG stack height).                             | Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base.   | Submit the drawings for review and approval.               | 45 days prior to the release to the manufacturer | 7/15/02                   | Submitted                |
| AQ-38                                     | Provide adequate stack sampling ports and platforms to enable the performance of source testing.   | 120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.                               | 120 days before Initial Operation                          | 2/1/04   | 7/23/02                   |                          |
| AQ-38                                     | Provide adequate stack sampling ports and platforms to enable the performance of source testing.   | Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.  | Approval by BAAQMD and CPM                                 |  |                           |                          |
| AQ-39                                     | Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.          | Contact the BAAQMD Technical Services division.  | Within 180 days of issuance of Authority to Construct      | 8/12/02  | 7/23/02                   | In progress              |
| AQ-39                                     | Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.          | Notify the CEC CPM at least seven (7) working days before these contacts are made.   | 7 days before contacts are made                            | 8/5/02   | 2/28/02                   | N/A                      |
| AQ-40                                     | Demonstrate valid ERCS in the amount of 212.75 tons/year of NOx and 28 tons/yr of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2. | No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.   | Within 30 days after issuance of Authority to Construct    | 3/15/02  | 2/22/02                   | Complete                 |

## METCALF ENERGY CENTER • COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date | Date submitted to CEC/CBO | Date approved by CPM/CBO | Status/Comments                        |
|-------------------------------------|--|--|--|-------------------------|---------------------------|--------------------------|--|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002  |  |  |                         |                           |                          |  |
| START OF CONSTRUCTION               | 9/1/2002   |  |  |                         |                           |                          |  |
| AQ-41                               | Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of NOx and 28 tons/yr of POCS or equivalent.                                   | At least 30 days prior to the start of construction, submit a copy of the required offset or ERCs certificates to the CPM.   | 30 days prior to start of construction                   | 8/2/02                  | 7/26/02                   | N/A                      | Complete                               |
| AQ-42                               | Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the NEC.                           | Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.   | Within 12 months of issuance of PSD Permit               | 1/9/02                  | N/A                       | N/A                      | Complete                               |
| AQ-42                               | Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.                           | Submit to the CPM a copy of the Federal (Title V) Operating Permit.  | 30 days after permit issued                              |                         |                           |                          | Expect to receive permit in June 2003. |
| AQ-43                               | Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.                     | Submit to the CPM a copy of the application for the Title IV operating permit.   | 24 months before initial operation                       |                         |                           |                          |  |
| AQ-44                               | Comply with the continuous emission monitoring requirements of 40 CFR Part 75.   | Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.  | 60 days before initial Operation                         |                         |                           |                          |  |
| AQ-45                               | Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.                           | Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60, Subpart GG. | On-site Compliance Inspections                           |                         |                           |                          |  |
| AQ-46                               | Cooling towers shall be properly maintained to minimize drift losses.  | Submit a performance guarantee letter from the cooling tower manufacturer.   | 30 days prior to installation of Cooling Tower per AQ-46 |                         |                           |                          |  |
| AQ-47a                              | Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.     | As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.  | Monthly Air Quality Reports                              |                         |                           |                          |  |
| AQ-47b                              | Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.                   | Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.  | Initial Operation  |                         |                           |                          |  |
| AQ-47c                              | Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-specified drift rate. | As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.  | Within 60 days of initial operation of the cooling tower |                         |                           |                          |  |
| AQ-48                               | Implement a CPM approved Fugitive Dust Control Plan during construction.   | Submit the plan to the CEC CPM for review and approval.  | 60 days prior to start of construction                   | 6/12/01                 | 10/12/01                  | Complete                 | In progress                            |
| AQ-48                               | Implement a CPM approved Fugitive Dust Control Plan during construction.   | Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.  | Monthly Compliance Report                                |                         |                           |                          |  |
| AQ-49                               | During construction owner shall:   | The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.                           | Start of Construction                                    |                         |                           |                          |  |
| AQ-50                               | Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.                                     | Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.  | Start of Construction                                    |                         |                           |                          | In progress                            |

| METGALF ENERGY CENTER - COMPLIANCE MATRIX |   |   |  |                         |                           |                          |
|---|---|---|--|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary   | Action required   | Event                                  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002   |   |  |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002  |   |  |                         |                           |                          |
| AQ-51                                     | Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition AQ-51.  | At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.   | 30 days prior to start of construction | 8/2/02                  | 7/26/02                   | N/A                      |
| AQ-52                                     | The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.   | Submit to the CPM for approval the qualifications of the CM at least 45 days prior to due date for diesel construction equipment.   | 45 days prior to rough grading         | 11/30/01                | 8/27/01                   | 9/27/01                  |
| AQ-52                                     | The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.   | Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.  | 30 days prior to rough grading         | 12/15/01                | 9/7/01                    | 9/27/01                  |
| AQ-52                                     | The Project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.   | Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.  | 10 days after use of equipment on site |                         |                           |                          |
| AQ-53                                     | The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totalled over any consecutive twelve month period.  | As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.   | Monthly Air Quality Reports            |                         |                           |                          |
| AQ-54                                     | The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.   | As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.   | Monthly Air Quality Reports            |                         |                           |                          |
| AQ-55                                     | Install an oxidation catalyst to control VOC emissions.   | As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems. | Submittal of final design plans        |                         |                           |                          |
| Public Health-1                           | Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner. | Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.    | Prior to initial operation             |                         |                           |                          |
| Public Health-1                           | Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner. | The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.                          | Annual Compliance Report               |                         |                           |                          |

## METCALF ENERGY CENTER • COMPLIANCE MATRIX

| Condition No.   | Requirements & Task Summary  | Action required   | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments   |
|-----------------|--|---|---|-------------------------|---------------------------|--------------------------|---|
| WORKER SAFETY 1 | Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program. | Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.  | 30 days prior to start of construction                      | 8/2/02                  | 9/27/01(Electel)          | 2/1/02(Bachtel)          | Resubmitted for Mortenson. OSHA Consultation completed 2/2/02. Submitted OSHA approval of Mortenson Plan 3/12/02. |
| WORKER SAFETY 1 | Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program. | Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.   | 30 days prior to start of construction                      | 8/2/02                  | 7/31/01                   | 2/1/02                   | Complete for preconstruction. Response to Fire Depts. comments submitted 4/9/02.                                  |
| WORKER SAFETY 2 | Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.               | The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders   | Start of Operation  |                         |                           |                          |   |
| WORKER SAFETY 2 | Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.               | Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan. | 30 days prior to start of operation                         |                         |                           |                          |   |
| WORKER SAFETY 3 | Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.                            | Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.   | 60 days prior to ground disturbance                         |                         | 11/15/01                  | 7/20/01                  | 2/1/02 Complete   |
| WORKER SAFETY 3 | Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.                            | If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.  | 60 days prior to ground disturbance                         |                         | 11/15/01                  | 7/20/01                  | 2/1/02 Complete   |
| TLSN-1          | The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.                         | Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.  | 30 days prior to start of construction of Transmission Line |                         |                           |                          |   |
| TLSN-2          | Identify and correct any complaints of interference with radio and TV signals from operation of line and facilities.   | All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM.   | Annual Compliance Report                                    |                         |                           |                          |   |
| TLSN-3          | Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.                                       | File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.   | 60 days after completion of measurements                    |                         |                           |                          |   |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |  |  |  |                         |                           |                          |
|---|--|--|--|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002  |  |  |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002   |  |  |                         |                           |                          |
| TLSN-4                                    | Ensure that the transmission line right-of-way is kept free of combustible material.   | Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.  | Annual Compliance Report   |                         |                           |                          |
| TLSN-5                                    | Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.   | Transmit to the CPM a letter confirming compliance with this Condition   | 30 days prior to energization of transmission line   |                         |                           |                          |
| HAZ-1                                     | Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM. | Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.  | Annual Compliance Report   |                         |                           |                          |
| HAZ-2                                     | Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.  | Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.  | Santa Clara 60 days prior to delivery of Aqueous Ammonia and the CPM for review at the time the plans are first submitted to the U.S. EPA. |                         |                           |                          |
| HAZ-2                                     | Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.  | Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.          | 60 days prior to delivery of Aqueous Ammonia   |                         |                           |                          |
| HAZ-3                                     | Develop and implement a safety management plan for delivery of ammonia.  | Provide a safety management plan as described above to the CPM for review and approval.  | 60 days prior to delivery of Aqueous Ammonia   |                         |                           |                          |
| HAZ-4                                     | The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.   | Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval. | 60 days prior to delivery of Aqueous Ammonia   |                         |                           |                          |
| HAZ-5                                     | Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.   | Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.                      | 60 days prior to construction of ammonia secondary containment   |                         |                           |                          |
| HAZ-6                                     | The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.   | Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.  | 30 days prior to initial gas flow in pipeline  |                         |                           |                          |
| HAZ-7                                     | Prepare and implement a pipeline maintenance plan.   | Provides a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.  | 30 days prior to initial gas flow in pipeline  |                         |                           |                          |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary   | Action required   | Event  | Required Submittal Date | Date submitted to CPN/CEO | Date approved by CPM/CBO | Status/Comments |
|-------------------------------------|---|---|--|-------------------------|---------------------------|--------------------------|-----------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002   |   |  |                         |                           |                          |                 |
| START OF CONSTRUCTION               | 9/1/2002  |   |  |                         |                           |                          |                 |
| HAZ-8                               | The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.   | At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval. | 60 days prior to delivery of hazardous materials                     |                         |                           |                          |                 |
| HAZ-9                               | The natural gas pipeline shall be designed to meet CPUC General Order 112-D and SB A standards, or any successor standards, and will be designed to meet Class III service.                           | Submit design and operation specifications to the CPM for review and approval.  | Prior to initial gas flow in pipeline                                |                         |                           |                          |                 |
| HAZ-10                              | Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.  | Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.  | 60 days prior to delivery of Sulfuric Acid                           |                         |                           |                          |                 |
| HAZ-11                              | The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.             | Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.  | 60 days prior to receipt of aqueous ammonia on site                  |                         |                           |                          |                 |
| HAZ-12                              | Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials. | Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.   | 60 days prior to delivery of Hazardous Materials                     |                         |                           |                          |                 |
| WASTE-1                             | Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.   | Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.   | Notify via Monthly Compliance Report                                 | 12/14/02                | 12/14/02                  | N/A                      | Complete        |
| WASTE-1                             | The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).                | Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)   | Notify via Monthly Compliance Report                                 |                         |                           |                          |                 |
| WASTE-2                             | Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.  | Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.  | Within 10 days of becoming aware of an impending enforcement action. |                         |                           |                          |                 |
| WASTE-3                             | Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.   | Submit the construction waste management plan to the CPM for review.  | 60 days prior to start of construction                               | 7/3/02                  | 6/12/01                   | 7/27/01                  | Complete        |
| WASTE-3                             | Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.   | Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).   | Revise within 30 days of notification by CPM                         |                         |                           |                          |                 |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |   |  |  |                         |                           |                          |
|---|---|--|--|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary   | Action required  | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002   |  |  |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002  |  |  |                         |                           |                          |
| WASTE-3                                   | Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.             | The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.   | 60 days prior to start of operation              |                         |                           |                          |
| WASTE-3                                   | Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.             | The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).  | Revise within 30 days of notification by CPM     |                         |                           |                          |
| WASTE-3                                   | Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.             | In the Annual Compliance Report, document the actual waste management methods used during the year compared to planned management methods.   | Annual Compliance Report                         |                         |                           |                          |
| WASTE-4                                   | Have a registered PE available for consultation during soil excavation and grading activities.  | Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.   | 30 days prior to ground disturbing activity      |                         |                           |                          |
| WASTE-5                                   | If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.                        | Notify the CPM in writing within 5 days of any reports filed by the environmental professional if significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed. | Within 5 days of filing reports                  | 12/15/01                | 8/16/01                   | Complete                 |
| WASTE-5                                   | If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.                        | Provide an approved copy of the Hazardous Material Clearance Form to the CPM.  | Within 5 days of filing reports                  |                         |                           |                          |
| WASTE-6                                   | Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.                               | Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.   | Prior to the start of construction               | 3/20/02                 | 3/20/02                   | Complete                 |
| WASTE-7                                   | The project owner shall perform additional limited investigations to fully characterize the site.   | Notify the CPM in writing within ten days of removal or site debris.   | Prior to the start of construction               | 2/21/02                 | 2/21/02                   | N/A                      |
| WASTE-8                                   | All site debris shall be removed from the site after owner has control of the site.   | In the Monthly Compliance Reports provide updates on trail developments in the area around the site.   | Within 10 days after removal of site debris      | 9/10/01                 | 10/2/01                   | Complete                 |
| LAND-1                                    | At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site. | Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.   | Start of Construction of Trail                   |                         |                           |                          |
| LAND-1                                    | At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site. | Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.  | 180 days prior to start of construction of trail |                         |                           |                          |
| LAND-1                                    | At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site. | Notify the CPM that the trail segment has been completed and is ready for inspection.  | Within 7 days after completion of trail segment  |                         |                           |                          |
| LAND-1                                    | At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site. | In the Annual Compliance Reports provide updates on trail developments in the area around the site.  | Annual Compliance Report                         |                         |                           |                          |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary   | Action required   | Event  | Required Submittal Date | Date submitted to CPM/CBO        | Date approved by CPM/CBO | Status/Comments                             |
|-------------------------------------|---|---|--|-------------------------|----------------------------------|--------------------------|---|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002   |   |  |                         |                                  |                          |   |
| START OF CONSTRUCTION               | 9/1/2002  |   |  |                         |                                  |                          |   |
| LAND-2                              | Landscape the parking areas consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.                        | Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan.                           | 30 days prior to start of construction                         | 8/2/02                  |                                  |                          | In progress                                 |
| LAND-2                              | The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan. | Notify the CPM that the work has been completed and is ready for inspection.  | 7 days after completion of landscaping                         |                         |                                  |                          |   |
| LAND-3                              | The project owner shall landscape the parking area to satisfy the setback requirements  | Submit the final design plans to the CPM for approval.  | 60 days prior to start of construction                         | 7/30/02                 | 9/20/2001<br>11/14/01<br>3/12/02 | 12/10/2001<br>3/28/02    | Complete                                    |
| LAND-3                              | The project owner shall design and construct the project to satisfy the setback requirements  | Notify the CPM that the boundaries are ready for inspection.  | Prior to construction of specified facilities and structures   |                         |                                  |                          | Submitted for cooling tower foundation only |
| LAND-3                              | The project owner shall design and construct the project to satisfy the setback requirements  | Submit the final design plans to the San Jose review and comment.   | 60 days prior to start of construction                         | 7/30/02                 | 9/20/2001<br>3/12/02             | N/A (City of San Jose)   | Complete                                    |
| LAND-3                              | The project owner shall design and construct the project to satisfy the setback requirements  | Notify the CPM that the facilities and structures are completed and are ready for inspection.   | 7 days after completion of specified facilities and structures |                         |                                  |                          |   |
| LAND-4                              | Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.  | Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.    | 90 days prior to commercial operation                          |                         |                                  |                          |   |
| LAND-4                              | Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.  | Submit to the City of San Jose for review and comment a site plan.  | 90 days prior to commercial operation                          |                         |                                  |                          |   |
| LAND-4                              | Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.  | Notify the CPM that these requirements have been satisfied and are ready for inspection.  | Commercial Operation   |                         |                                  |                          |   |
| LAND-5                              | Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.   | Submit to the CPM a recorded copy of the Agreement.   | 90 days prior to start of construction                         | 6/3/02                  | 6/12/01                          | 9/14/01                  | Complete                                    |
| LAND-5                              | Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.   | Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.                           | Within sixty (60) days of sale of the Passantino property      |                         |                                  |                          |   |
| LAND-5                              | Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.   | Notify the CPM that the landscaping has been completed and is ready for inspection.   | 7 days after completion of landscaping                         |                         |                                  |                          |   |
| LAND-6                              | Ensure the protection of soil while using agricultural land as a construction laydown and parking area.   | Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.         | 30 days prior to delivery of construction materials            |                         |                                  |                          |   |
| LAND-6                              | Ensure the protection of soil while using agricultural land as a construction laydown and parking area.   | Submit photographic evidence of the application.  | 7 days after completion of protective measures                 |                         |                                  |                          |   |
| LAND-6                              | Ensure the protection of soil while using agricultural land as a construction laydown and parking area.   | Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field. | 30 days prior to commercial operation                          |                         | 3/14/02<br>5/10/2002             | 7/6/02                   | Complete                                    |

## METCALF ENERGY CENTER : COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments |
|-------------------------------------|--|--|--|-------------------------|---------------------------|--------------------------|-----------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002  |  |  |                         |                           |                          |                 |
| START OF CONSTRUCTION               | 9/1/2002   |  |  |                         |                           |                          |                 |
| LAND-7                              | Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.            | Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.  | 60 days prior to construction of pipelines                                     |                         |                           |                          |                 |
| LAND-8                              | Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway. | Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.  | Prior to submittal to CPM  |                         |                           |                          |                 |
| LAND-8                              | Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway. | Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be limited to avoid permitted park events. | 30 days prior to construction of gas pipeline                                  |                         |                           |                          |                 |
| LAND-8                              | Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway. | Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.  | Weekly gas pipeline report   |                         |                           |                          |                 |
| LAND-9                              | Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.                 | Submit to the CPM a review and approval a site plan that shows the precise alignment of the water supply and waste water pipelines in relation to existing orchard trees.                                      | 60 days prior to construction of water supply and waste water pipelines        |                         |                           |                          |                 |
| LAND-9                              | Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.                 | Notify the CPM that stakes have been installed and the route is ready for inspection.  | 7 days prior to ground disturbing activities related to pipeline construction  |                         |                           |                          |                 |
| LAND-10                             | During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.   | Submit a description of the procedure to minimize alteration of original soil stratigraphy.  | 30 days prior to ground disturbing activities related to pipeline construction |                         |                           |                          |                 |
| LAND-10                             | During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.   | Notify the CPM of the schedule for trenching.  | 7 days prior to trenching for pipeline   |                         |                           |                          |                 |
| LAND-10                             | During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.   | Submit photographs to the CPM that demonstrate that the topsoil has been kept separate from the subsoil.   | 7 days after start of trenching for pipeline                                   |                         |                           |                          |                 |
| LAND-10                             | During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.   | Notify the CPM of the schedule for backfilling.  | 7 days prior to backfilling trenches   |                         |                           |                          |                 |
| LAND-11                             | The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.  | Submit the final design specifications to the CPM for review and approval.   | 60 days prior to start of construction   |                         |                           |                          |                 |
| TRANS-1                             | Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.   | Provide the number of any oversize and overweight transportation permits received during that reporting period.  | Monthly Compliance Report  | 7/30/02                 | 9/20/01                   | 10/17/01                 | Complete        |
| TRANS-2                             | Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.              | Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.  | Monthly Compliance Report  |                         |                           |                          | In progress     |
| TRANS-3                             | Ensure that all federal and state regulations for the transport of hazardous materials are observed.   | Copies of all permits and licenses acquired concerning the transport of hazardous substances.  | Monthly Compliance Report  |                         |                           |                          |                 |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       |  | Requirements & Task Summary  | Action required   | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments                     |
|-------------------------------------|--|--|---|--|-------------------------|---------------------------|--------------------------|-------------------------------------|
| START OF MOBILIZATION/ROUGH GRADING |  | 1/14/2002  |   |  |                         |                           |                          |                                     |
| START OF CONSTRUCTION               |  | 9/1/2002   |   |  |                         |                           |                          |                                     |
| TRANS-4                             |  | The project owner shall enter into a Crossing Agreement with UPRR.   | If the permanent crossing warning equipment is not in place, submit a traffic plan for the crossing to UPRR for review.   | 60 days prior to site preparation                                      | 11/15/01                | 8/16/01                   | 8/16/01                  | Complete                            |
| TRANS-4                             |  | The project owner shall enter into a Crossing Agreement with UPRR.   | Submit the executed Crossing Agreement to the CPM for approval.   | 60 days prior to site preparation                                      | 11/15/01                | 8/16/01                   | 8/16/01                  | Complete                            |
| TRANS-4                             |  | Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.   | Inform the CPM when the final grade crossing warning equipment is ready for inspection.   | Installation of final grade crossing equipment                         | 3/4/02                  | 3/4/02                    |                          | Submitted                           |
| TRANS-5                             |  | Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and Implementation program.   | Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.                       | 30 days prior to start of site preparation                             | 10/2/01                 | 10/24/01                  | 10/24/01                 | Complete                            |
| TRANS-6                             |  | Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details  | Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images. | Prior to start of site preparation                                     | 11/15/01                | 8/9/01                    | 8/13/01                  | Complete                            |
| TRANS-6                             |  | Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details  | Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images. | Start of ground disturbing activities related to pipeline construction |                         |                           |                          |                                     |
| TRANS-6                             |  | Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible. | Notify Caltrans about the schedule for project construction.  | 60 days prior to site preparation                                      | 11/15/01                | 8/9/01                    | 8/13/01                  | Complete                            |
| TRANS-6                             |  | Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible. | Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.   | 30 days after completion of project construction                       |                         |                           |                          |                                     |
| TRANS-7                             |  | Prepare and submit a parking and staging plan for all phases of project construction.  | Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.                                     | 60 days prior to start of site preparation                             | 10/2/01                 | 10/24/01                  | 10/24/01                 | Complete                            |
| TRANS-8                             |  | Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.  | Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection, and inform the CPM.   | 12 months prior to commercial operation                                |                         |                           |                          |                                     |
| TRANS-8                             |  | Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.  | Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.   | 60 days prior to commercial operation                                  |                         |                           |                          |                                     |
| NOISE-1                             |  | Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.  | Notify residents and establish/post telephone number  | 15 days prior to start of rough grading and steam blows                | 12/30/01                | 10/3/01                   | N/A                      | Complete for start of rough grading |
| NOISE-1                             |  | Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.  | A statement signed by the project manager attesting that the above notification has been performed.   | Monthly Construction Report Following the Start of Rough Grading       | 2/14/02                 | 2/14/02                   | N/A                      | Complete                            |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |   |   |   |                         |                           |                          |
|---|---|---|---|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary   | Action required   | Event   | Required Submittal Date | Date submitted to CPW/CBO | Date approved by CPW/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002   |   |   |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002  |   |   |                         |                           |                          |
| NOISE-1                                   | Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.       | A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.                                     | Commence Steam blow   |                         |                           |                          |
| NOISE-1                                   | Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.       | Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project. | Monthly Construction Report Following the Steam Blow activity                                 |                         |                           |                          |
| NOISE-2                                   | Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints. | File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPW documenting the resolution of the complaint.              | 30 days after receiving a noise complaint   |                         |                           |                          |
| NOISE-3                                   | Submit to the CPW for review a Noise Control Program.   | Submit to the CPW the above referenced program.   | 30 days prior to Rough Grading  |                         |                           |                          |
| NOISE-4                                   | If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.                       | Submit to the CPW drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.                              | 15 days prior to first Steam Blow   |                         |                           |                          |
| NOISE-5                                   | Conduct a 25-hour Community Noise Survey when first achieving an output or 80 percent of rated capacity.                                | Submit a summary report of the survey to City of San Jose and the CPW.  | Within 30 days after completing survey  |                         |                           |                          |
| NOISE-5                                   | Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.                                | Submit to the CPW a summary report of a new noise survey.   | Within 30 days of completion of installation of these measures                                |                         |                           |                          |
| NOISE-6                                   | The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.                     | The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.             | Thirty days after the facility is operating at an output of 80% of rated capacity or greater. |                         |                           |                          |
| NOISE-6                                   | The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.                     | Submit the noise survey report to the CPW. The project owner shall also submit the report to OSHA upon request.                                     | Within 30 days after completing the survey  |                         |                           |                          |
| NOISE-7                                   | Construction shall be restricted to the hours of: 7 a.m. to 7 p.m., on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.     | Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.                            | First Monthly Compliance Report   |                         |                           |                          |
| VIS-1                                     | Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.                                     | Submit proposed plan to the CPW for review and approval.  | 60 days prior to ordering first equipment that is color treated                               |                         |                           |                          |
| VIS-1                                     | Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.                                     | If the CPW notifies the project owner that any revisions of the plan are needed, shall submit to the CPW a revised plan.                            | Within 30 days of receiving notification  |                         |                           |                          |
| VIS-1                                     | Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.                                     | Notify the CPW that all structures treated during manufacture and all structures treated in the field are ready for inspection.                     | Not less than thirty (30) days prior to the start of commercial operation                     |                         |                           |                          |
| VIS-1                                     | Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.                                     | The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.                                    | Annual Compliance Report  |                         |                           |                          |
| VIS-2                                     | Any fencing for the project shall be non-reflective.  | Submit the specifications to the CPW for review and approval.   | At least 30 days prior to ordering the non-reflective fencing                                 |                         |                           |                          |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |   |  |   |                         |                           |                         |
|---|---|--|---|-------------------------|---------------------------|-------------------------|
| Condition No.                             | Requirements & Task Summary   | Action required  | Event   | Required Submittal Date | Date submitted to CPN/CSO | Date approved by CPMCBO |
| VIS-2                                     | Any fencing for the project shall be non-reflective.  | If the CPM notifies the project owner that revisions of the submittal are needed, owner shall prepare and submit a revised submittal.      | Within 30 days of receiving notification  |                         |                           |                         |
| VIS-2                                     | Any fencing for the project shall be non-reflective.  | Notify the CPM that the fencing is ready for inspection.   | Within 7 days after completing installation of the fencing                          |                         |                           |                         |
| VIS-3                                     | Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.   | Notify the CPM that the lighting is ready for inspection.  | Within seven (7) days of completing exterior lighting installation                  |                         |                           |                         |
| VIS-3                                     | Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.   | Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.                           | Ninety (90) days before ordering the exterior lighting,                             |                         |                           |                         |
| VIS-3                                     | Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.   | If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.                   | Within 30 days of receiving notification  |                         |                           |                         |
| VIS-3                                     | Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.  | If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal. | Within 30 days of receiving notification  |                         |                           |                         |
| VIS-4                                     | Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.  | Notify the CPM after completing the surface restoration that it is ready for inspection.   | Within seven days after completing the surface restoration                          |                         |                           |                         |
| VIS-4                                     | Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.  | Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.               | At least sixty days prior to beginning implementation of the surface restoration    |                         |                           |                         |
| VIS-5                                     | Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road. | Submit any required revisions within 30 days of notification by the CPM.   | Within 30 days of receiving notification  |                         |                           |                         |
| VIS-5                                     | Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road. | The temporary and long-term aesthetic installations are ready for inspection.  | Within seven days after implementing the proposed plan                              |                         |                           |                         |
| VIS-5                                     | Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.   | Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.                                      | At least ninety (90) days before intended removal of the temporary aesthetic screen |                         |                           |                         |
| VIS-5                                     | Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.   | Submit any required revisions within 30 days of notification by the CPM.   | Within 30 days of notification  |                         |                           |                         |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary   | Action required  | Event   | Required Submit Date | Date submitted to CPM/CEO | Date approved by CPM/CBO   | Status/Comments   |
|-------------------------------------|---|--|---|----------------------|---------------------------|----------------------------|---|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002   |  |   |                      |                           |                            |   |
| START OF CONSTRUCTION               | 9/1/2002  |  |   |                      |                           |                            |   |
| VIS-5                               | Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.   | Notify the CPM that the temporary aesthetic screening removal is ready for inspection.   | Within seven days after implementing the proposed plan  |                      |                           |                            |   |
| VIS-5                               | Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road. | Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.  | Ninety (90) days prior to the start of use of the construction laydown area   | 7/27/01              | 7/27/01                   | N/A (City of San Jose)     | Submitted. Comments rec'd from SJ incorporated prior to submittal.  |
| VIS-5                               | Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road. | Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.  | Ninety (90) days prior to the start of use of the construction laydown area   | 7/27/01              | 7/27/01, 12/18/01         | 2/15/02 (Aesthetic screen) | Revised Monterey Rd. plan submitted 12/18/01<br>Submitted revised Plan to City of San Jose Dept. of Public Works. |
| VIS-6                               | The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.   | Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.        | At least sixty (60) days prior to installing the screening  |                      |                           |                            |   |
| VIS-6                               | The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.   | Submit any required revisions  | Within 30 days of notification  |                      |                           |                            |   |
| VIS-6                               | The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area.   | The project owner shall notify the CPM when ready for inspection   | Within seven days after completing installation of the screening  |                      |                           |                            |   |
| VIS-7                               | Install aesthetic landscape screening along a portion of Coyote Ranch Road.   | Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment. | 90 days prior to start of construction  | 6/3/02               | 6/12/01                   |                            | Submitted / In progress.<br>Working with County.  |
| VIS-7                               | Install aesthetic landscape screening along a portion of Coyote Ranch Road.   | Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.   | 90 days prior to start of construction  | 6/3/02               | 6/12/01                   |                            | Submitted / In progress.<br>Working with County.  |
| VIS-7                               | Install aesthetic landscape screening along a portion of Coyote Ranch Road.   | Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.   | Within thirty (30) days of notification by the CPM.   |                      |                           |                            |   |
| VIS-8                               | The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.  | Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.          | Within seven (7) days after completing the implementation of the proposed plan<br>At least sixty (60) days before the beginning of construction of the gas metering station |                      |                           |                            |   |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date                          | Date submitted to CPM/CCD | Date approved by CPM/CBO | Status/Comments                   |
|-------------------------------------|--|--|--|--|---------------------------|--------------------------|-----------------------------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002  |  |  |  |                           |                          |                                   |
| START OF CONSTRUCTION               | 9/1/2002   |  |  |  |                           |                          |                                   |
| VIS-8                               | The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and Integrate it with its surroundings. | Submit detailed design specifications for the gas metering station to the CPM for review and approval.   | At least sixty (60) days before the beginning of construction of the gas metering station  |  |                           |                          |                                   |
| VIS-8                               | The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and Integrate it with its surroundings. | Submit any required revisions.   | Required revision by CPM per VIS-8   |  |                           |                          |                                   |
| VIS-8                               | The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and Integrate it with its surroundings. | Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.  | Within seven (7) days after implementing the proposed plan   |  |                           |                          |                                   |
| VIS-9                               | The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.                   | Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.  | At least sixty (60) days prior to the start of architectural treatment   |  |                           |                          |                                   |
| VIS-9                               | The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.                   | Submit the proposed architectural design treatment plan to the CPM for review and approval.  | At least sixty (60) days prior to the start of architectural treatment   |  |                           |                          |                                   |
| VIS-9                               | The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.                   | Shall submit any required revisions.   | Within thirty (30) days of notification by the CPM   |  |                           |                          |                                   |
| VIS-9                               | The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.                   | Notify the CPM in writing that all structures are ready for inspection.  | Thirty (30) days prior to the start of commercial operation  |  |                           |                          |                                   |
| VIS-10                              | The power plant shall be designed and operated to minimize visible plumes.   | Submit the proposed plume abatement plan to the City of San Jose for review and comment.   | At least sixty (60) days prior to the start of construction  | 7/3/02   | 9/6/01                    | N/A                      | Complete                          |
| VIS-10                              | The power plant shall be designed and operated to minimize visible plumes.   | Submit the proposed plume abatement plan to the CPM for review and approval.   | At least sixty (60) days prior to the start of construction  | 7/3/02   | 9/5/01                    |                          | Submitted. CEC comments received. |
| VIS-10                              | The power plant shall be designed and operated to minimize visible plumes.   | The project owner shall submit any required revisions.   | Within 30 days of notification by the CPM.   |  |                           |                          |                                   |
| VIS-11                              | Trail development along the Fisher Creek corridor adjacent to the power plant site.  | The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan. | Start of construction of the trail between Blanchard Road and railroad tracks  |  |                           |                          |                                   |
| VIS-11                              | Trail development along the Fisher Creek corridor adjacent to the power plant site.  | Submit to the CPM for review and approval a specific plan describing its landscape plan.   | Within 30 days of notification by the CPM.   |  |                           |                          |                                   |
| VIS-11                              | Trail development along the Fisher Creek corridor adjacent to the power plant site.  | Submit any required revisions.   | Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection. | 7 days after completion of planting installation |                           |                          |                                   |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary   | Action required   | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPMICBO | Status/Comments |
|-------------------------------------|---|---|---|-------------------------|---------------------------|--------------------------|-----------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002   |   |   |                         |                           |                          |                 |
| START OF CONSTRUCTION               | 9/1/2002  |   |   |                         |                           |                          |                 |
| VIS-12                              | Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner. | Provide to the CPM a report on the landscaping/screening plan.  | 15 days prior to project construction   | 8/17/02                 |                           |                          | In progress     |
| VIS-12                              | Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner. | Notify the CPM when any measures are ready for inspection.  | Measures are ready for inspection   |                         |                           |                          |                 |
| CUL-1                               | Name and statement of qualifications of its designated cultural resource specialist.  | Submit name and qualifications.   | 90 days prior to site preparation   |                         |                           |                          |                 |
| CUL-1                               | Name and statement of qualifications of its designated cultural resource specialist.  | Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction. | At least 10 days but no more than 30 days prior to the start of earth disturbing activities | 12/15/01                | 7/26/01                   | 9/25/01<br>1/22/02       | Complete        |
| CUL-1                               | Name and statement of qualifications of its designated cultural resource specialist.  | Obtain CPM approval of the replacement specialist.  | 10 days prior to termination of Cultural Specialist   |                         |                           |                          |                 |
| CUL-2                               | Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.  | Provide the designated cultural resource specialist and the CPM with the maps and drawings.   | 75 days prior to the start of earth disturbing activities                                   | 10/31/01                | 9/20/01                   | 11/1/01                  | Complete        |
| CUL-3                               | CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.  | Submit the Cultural Resources Monitoring and Mitigation Plan.   | 60 days prior to project site preparation   | 11/15/01                | 6/12/01                   | 12/15/01                 | Complete        |
| CUL-4                               | WEAT for cultural resources   | Submit to the CPM for review and written approval, the proposed WEAT.   | 60 days prior to the start of construction on the project                                   | 11/15/01                | 9/20/01                   | 12/5/01                  | Complete        |
| CUL-5                               | WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.                                      | Provide the CPM with documentation that WEAT was administered.  | 7 days after start of construction  | 1/21/02                 | 9/29/01                   | 1/29/02<br>2/10/02       | Complete        |
| CUL-5                               | WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.                                      | Provide the CPM with documentation that WEAT was administered.  | Monthly Compliance Report   |                         |                           |                          | In progress     |
| CUL-6                               | CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.        | Provide the CPM with a letter confirming CUL-6.   | 30 days prior to site preparation   | 12/15/01                | 7/20/01                   | 8/6/01                   | Complete        |
| CUL-6                               | CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.        | For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.  | Within 24 hours of cultural resource discovery  |                         |                           |                          |                 |
| CUL-7                               | Provide the designated cultural resource specialist with a current schedule of anticipated project activity In the following month and a map.               | Provide the CPM with a copy of each weekly schedule of the construction activities.   | 10 days prior to site preparation   | 1/4/02                  | 9/28/01                   | 1/14/02                  | Complete        |
| CUL-7                               | Provide the designated cultural resource specialist with a current schedule of anticipated project activity In the following month and a map.               | Provides the CPM with a copy of each weekly schedule of the construction activities.  | Monthly Compliance Report   |                         |                           |                          | In progress     |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.         | Requirements & Task Summary   | Action required  | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments |
|-----------------------|---|--|---|-------------------------|---------------------------|--------------------------|-----------------|
| START OF CONSTRUCTION | 1/14/2002   | 9/1/2002   |   |                         |                           |                          |                 |
| CUL-8                 | CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.   | Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.   | Monthly Compliance Report   |                         |                           |                          | In progress     |
| CUL-9                 | Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.  | Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resources monitoring.  | Monthly Compliance Report   |                         |                           |                          |                 |
| CUL-10                | Obtain ground disturbance or cultural resource excavation permits from Cairtrans and/or the U.S. Army Corps of Engineers.   | Submit a copy of any permit addressing data recovery excavation.   | Monthly Compliance Report   |                         |                           |                          |                 |
| CUL-10                | Obtain ground disturbance or cultural resource excavation permits from Cairtrans and/or the U.S. Army Corps of Engineers.   | Provide written documentation to the permitting agency of compliance with any mitigation measures.   | Completion of mitigation activity   |                         |                           |                          |                 |
| CUL-11                | Ensure that the CRS performs the recovery, etc. of all cultural resources materials encountered and collected.  | Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university(ies), or other appropriate research specialists.   | Periodic Audit by the CPM   |                         |                           |                          |                 |
| CUL-12                | Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.   | Submit it to the CPM for review and written approval.  | 7 days after completion of the proposed scope of work,  |                         |                           |                          |                 |
| CUL-12                | Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.   | Ensure that the designated cultural resources specialist prepares the proposed scope of work.  | Completion of Data Recovery per CUL-12  |                         |                           |                          |                 |
| CUL-13                | Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.   | Ensure that the designated cultural resource specialist completes the Cultural Resources Report.   | Within 90 days following completion of the data recovery and site mitigation work.                |                         |                           |                          |                 |
| CUL-13                | Prepare a Cultural Resources Report as described in CUL-13.   | Submit the Cultural Resources Report to the CPM for review and written approval.   | Within seven (7) days after completion of the report  |                         |                           |                          |                 |
| CUL-14                | Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information. | Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information. | Within thirty (30) days after receiving approval of the Cultural Resources Report                 |                         |                           |                          |                 |
| CUL-15                | Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.   | Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.   | Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities |                         |                           |                          |                 |
| CUL-16                | Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).   | Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).   | 30 days prior to site preparation   | 12/15/01                | 8/8/01                    | 8/15/01                  | Complete        |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |   |   |  |                         |                           |                          |
|---|---|---|--|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary   | Action required   | Event  | Required Submittal Date | Date submitted to CPN/CBO | Date approved by CPN/CBO |
|   |   |   |  |                         |                           | Status/Comments          |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002   |   |  |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002  |   |  |                         |                           |                          |
| CUL-17                                    | Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG & E metering station.<br>Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall examine the area of initial project site mobilization. | Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.<br>Provide the CPM with information authored by the CRS identifying the area of initial site mobilization. | Monthly Compliance Report  |                         |                           |                          |
| CUL-18                                    | If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.  | Submit the results of the records search and the results of the survey.   | 7 days prior to site mobilization                                      | 1/7/02                  | 10/2/01                   | 12/15/01<br>Complete     |
| CUL-19                                    | The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.   | Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.   | 60 days prior to site preparation                                      | 11/15/01                | 7/20/01                   | 8/8/01<br>Complete       |
| SOCIO-1                                   | The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.   | Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional areas that will occur during the next two months.  | Monthly Compliance Report  |                         |                           | In progress              |
| SOCIO-1                                   | Pay the one-time statutory school facility development fee as required at the time of filing.   | Pay the statutory school facility development fee at the time of filing, as required at the time of filing.   | At Time of Filing  |                         |                           |                          |
| SOCIO-2                                   | Pay the one-time statutory school facility development fee as required at the time of filing.   | Provide proof of payment of the statutory development fee.  | Monthly Compliance Report after fees are paid                          |                         |                           |                          |
| BIO-1                                     | Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.  | Submit name, qualifications, address and telephone number of the individual selected.   | 60 days prior to start of ground disturbance                           | 11/15/01                | 7/23/01                   | 7/27/01<br>Complete      |
| BIO-1                                     | Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.  | If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.  | Notification by CPM that proposed Designated Biologist is unacceptable |                         |                           |                          |
| BIO-2                                     | The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.  | Biologist shall maintain written records of the tasks described.  | Monthly Compliance Report  |                         |                           | In progress              |
| BIO-2                                     | The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.  | Submit record summaries in the Annual Compliance Report.  | Annual Compliance Report   |                         |                           |                          |
| BIO-3                                     | Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.   | Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.   | Within 2 working days of notification of non-compliance                |                         |                           |                          |
| BIO-4                                     | Submit to the CPM for review and approval a copy of the final BRMMP and shall implement the measures identified in the plan.  | Provide the CPM with the final version of the BRMMP.  | 45 days prior to start of ground disturbance                           | 11/15/01                | 7/23/01                   | 8/30/01<br>Complete      |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| START OF MOBILIZATION/ROUGH GRADING |  | 11/4/2002  |   | 9/1/2002                |                           |                              |                           |          |  |  |  |
|-------------------------------------|--|--|---|-------------------------|---------------------------|------------------------------|---------------------------|----------|--|--|--|
| Condition No.                       | Requirements & Task Summary  | Action required  | Event   | Required Submittal Date | Data submitted to CPW/CBO | Date approved by CPW/CBO     | Status                    | Comments |  |  |  |
| BIO-4                               | Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.  | Provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed.  | 30 days after construction complete                                 |                         |                           |                              |                           |          |  |  |  |
| BIO-5                               | Develop the riparian corridor planting plan for inclusion into the BRMIMP.   | Provide to the CPM for review and approval the riparian restoration plan.  | 45 days prior to ground disturbance                                 | 11/3/01                 | 7/23/01                   | 10/17/01                     | Complete                  |          |  |  |  |
| BIO-6                               | Develop WEAT for biological resources.   | State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.   |   |                         |                           |                              | In progress               |          |  |  |  |
| BIO-6                               | Develop WEAT for biological resources.   | Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.   | 60 days prior to start of rough grading                             | 11/15/01                | 9/20/01                   | 12/5/2001<br>3/13/02 (video) | Complete                  |          |  |  |  |
| BIO-7                               | Acquire a SAA from CDFG.   | Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.   | 30 days prior to the start of any streambed alteration disturbances |                         |                           |                              |                           |          |  |  |  |
| BIO-8                               | Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.   | Submit to the CPM a copy of the USFWS Biological Opinion.  | 45 days prior to the start of ground disturbance                    | 11/3/01                 | 7/23/01                   | 7/27/01                      | Complete                  |          |  |  |  |
| BIO-9                               | Provide a final copy of the Nationwide No. 7 permit.   | Submit to the CPM a copy of the Nationwide No. 7 permit.   | 30 days prior to the start of any streambed alteration              |                         |                           |                              |                           |          |  |  |  |
| BIO-10                              | Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds. | Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received. | Within one week of commencing ground disturbance activities         | 1/21/02                 | 2/26/02                   |                              | Submitted                 |          |  |  |  |
| BIO-11                              | Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.   | Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.   | 60 days prior to start of ground disturbance                        | 11/15/01                | 6/25/01                   | 7/9/01                       | Complete                  |          |  |  |  |
| BIO-12                              | Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.  | Address all biological resource-related issues associated with facility closure.   | 12 months prior to facility closure                                 |                         |                           |                              |                           |          |  |  |  |
| BIO-13                              | Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.  | Provide the CPM with the location, date(s), method(s), and results of the pre-examination.   | 10 days prior to mobilization                                       | 1/4/02                  | 9/28/01                   | 10/17/01                     | Complete                  |          |  |  |  |
| SOIL & WATER-R-1                    | Disinfected, fertiley-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.                         | Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.  | Construction complete   |                         |                           |                              |                           |          |  |  |  |
| SOIL & WATER-R-1                    | Portable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.   | Provide a record of water consumption for the MEC.   | Monthly Compliance Report   |                         |                           |                              | In progress               |          |  |  |  |
| SOIL & WATER-R-1                    | Portable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.   | Provide a record of water consumption for the MEC.   | Annual Compliance Report  |                         |                           |                              |                           |          |  |  |  |
| SOIL & WATER-R-2                    | Provide a firm commitment for its construction water supply.   | Submit commitment to CPM.  | 30 days prior to the start of construction                          | 8/2/02                  | 12/5/01                   | 12/28/01                     | Complete                  |          |  |  |  |
| SOIL & WATER-R-2                    | Storm Water Pollution Prevention Plan (SWPPP) for construction.  | Submit a copy of the SWPPP to the CPM for review and approval.   | 30 days prior to start of ground disturbance                        | 12/15/01                | 8/31/01                   | 10/18/01                     | Complete for project site |          |  |  |  |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event   | Required Submittal Date | Date submitted to CPWICBO | Date approved by CPWICBO | Status/Comments  |
|-------------------------------------|--|--|---|-------------------------|---------------------------|--------------------------|--|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002  |  |   |                         |                           |                          |  |
| START OF CONSTRUCTION               | 9/1/2002   |  |   |                         |                           |                          |  |
| SOIL & WATER-2                      | Storm Water Pollution Prevention Plan (SWPPP) for construction.  | Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.  | Start of ground disturbance                                       | 1/14/02                 | 8/31/01                   | 10/18/01                 | Complete for project site  |
| SOIL & WATER-3                      | Final erosion control and re-vegetation plan that addresses all project elements.  | Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.  | Start of ground disturbance                                       | 12/15/01                | 8/31/01                   | 10/18/01                 | Complete for project site  |
| SOIL & WATER-4                      | Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.   | Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.   | 30 days prior to ground disturbance                               | 12/15/01                | 8/31/01                   | 1/25/02                  | Complete (4 permits)   |
| SOIL & WATER-5                      | Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.      | Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).   | 60 days prior to commercial operation                             |                         |                           |                          |  |
| SOIL & WATER-5                      | Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.      | Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).  | 2 weeks prior to commercial operation                             |                         |                           |                          |  |
| SOIL & WATER-6                      | Industrial Discharge Permit from the City of San Jose Environmental Services Division.   | Provide the CPM a copy of a valid Industrial Discharge Permit.   | 45 days prior to commercial operation                             |                         |                           |                          |  |
| SOIL & WATER-7                      | Obtain a Section 401 Certification from the San Francisco RWQCB.   | Submit to the CEC CPM a copy of the Section 401 Certification.   | 30 days prior to the start of any streambed alteration activities |                         |                           |                          | Submitted permit application for outfall and gas pipeline 6/28/02. |
| SOIL & WATER-8                      | Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.    | Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions. | 30 days prior to construction of wells                            |                         |                           |                          |  |
| SOIL & WATER-8                      | Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.    | Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.  | 30 days after completion of wells                                 |                         |                           |                          |  |
| SOIL & WATER-9                      | Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC. | Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.  | 30 days prior to start of construction                            |                         |                           |                          |  |
| GEO-1                               | Assign to the project an engineering geologist(s).   | Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).   | 30 days prior to start of construction                            |                         |                           |                          |  |
| GEO-1                               | Assign to the project an engineering geologist(s).   | Notify CPM of replacement of Engineering Geologist   | Replacement of Engineering Geologist                              | 8/2/02                  | 8/24/01                   | 10/1/01                  | Complete   |
| GEO-2                               | The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.   | Submit Grading Permit Application  | Application for Grading Permit per GEO-2.                         | 1/28/02                 | 1/28/02                   | 2/6/02                   | Complete   |
| GEO-2                               | The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.   | Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO.  | 15 days after submittal of application                            | 1/26/02                 | 1/14/02                   | 1/24/02                  | Complete   |
| GEO-2                               | The assigned engineering geologist(s) shall carry out the duties required by the 1988 CBC.   | Submit copies of the Final Engineering Geology Report to the CPM and the CBO.  | 90 days following compilation of Final Grading                    |                         |                           |                          |  |
| PAL-1                               | Ensure that the designated paleontological resource specialist is available for field activities.  | Submit the name and resume and the availability for its designated paleontological resource specialist.  | 90 days prior to start of construction                            | 6/3/02                  | 7/26/01                   | 7/27/01                  | Complete   |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No. | Requirements & Task Summary   | Action required  | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO     | Status/Comments |
|---------------|---|--|---|-------------------------|---------------------------|------------------------------|-----------------|
| PAL-1         | Ensure that the designated paleontological resource specialist is available for field activities.   | Obtain CPM approval of the replacement specialist.   | 10 days prior to termination or release of PRS                |                         |                           |                              |                 |
| PAL-2         | Prepare Paleontologic Resources Monitoring and Mitigation Plan.   | Provide the CPM with a copy of the Monitoring and Mitigation Plan.   | 60 days prior to start of construction                        | 6/12/01                 | 6/12/01                   | 7/27/01                      | Complete        |
| PAL - 3       | WEAT for paleo resources.   | Submit to the CPM for review, comment, and written approval, the WEAT.   | 30 days prior to start of construction                        | 9/20/01                 | 9/20/01                   | 10/3/2001<br>3/20/02 (Video) | Complete        |
| PAL-3         | WEAT for paleo resources.   | Documentation for training of additional new employees.  | Monthly Compliance Report                                     |                         |                           |                              | In progress     |
| PAL-4         | The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.  | Include a summary of paleontological activities.   | Monthly Compliance Report                                     |                         |                           |                              | In progress     |
| PAL-5         | Ensure recovery, preparation for analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.                                     | Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report. | Periodic Audit by the CPM per PAL-5                           |                         |                           |                              |                 |
| PAL-6         | Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.   | Submit a copy of the Paleontological Resources Report to the CPM for review and approval.  | Within 30 days following completion of the analysis           |                         |                           |                              |                 |
| PAL-7         | Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.   | Include a description of closure activities in the facility closure plan.  | Facility Closure Plan   |                         |                           |                              |                 |
| GEN-1         | Design, construct and inspect the project in accordance with the 1988 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval. | Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.  | Within 30 days after receipt of the Certificate of Occupancy. |                         |                           |                              |                 |
| GEN-1         | Design, construct and inspect the project in accordance with the 1988 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval. | Provide the CPM a copy of the Certificate of Occupancy.  | Within 30 days after receipt of the Certificate of Occupancy. |                         |                           |                              |                 |
| GEN-2         | Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.  | Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.  | 60 days prior to start of rough grading                       | 11/15/01                | 10/4/01                   | 10/18/01                     | Complete        |
| GEN-2         | Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.  | Provide schedule updates in Monthly Compliance Report  | Monthly Compliance Report                                     |                         |                           |                              |                 |
| GEN-3         | Make payments to the CBO for design review, plan check and construction inspection.   | Make the required payments to the CBO at the time of submittal.  | Submittal of plans to the CBO.                                |                         |                           |                              | In progress     |
| GEN-3         | Make payments to the CBO for design review, plan check and construction inspection.   | Send a copy of the CBO's receipt of payment to the CPM.  | Monthly Compliance Report after Fees are Paid                 |                         |                           |                              | In progress     |
| GEN-4         | Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).   | Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.   | 30 days prior to start of rough grading                       | 12/15/01                | 8/10/01                   | 8/7/01                       | Complete        |

## METCALF ENERGY CENTER • COMPLIANCE MATRIX

| START OF MOBILIZATION/ROUGH GRADING |  | 1/14/2002   | START OF CONSTRUCTION   |                         | 9/17/2002                 |                          |  |                 |  |  |
|-------------------------------------|--|---|---|-------------------------|---------------------------|--------------------------|--|-----------------|--|--|
| Condition No.                       | Requirements & Task Summary  | Action required   | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO |  | Status/Comments |  |  |
| GEN-4                               | Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).                          | Notify the CPM of the CEO's approvals of the RE.<br>Submit qualifications of replacement RE.  | Within 5 days of CEO approval<br>Within 5 days                  | 8/12/01                 | 9/19/01                   | N/A                      |  | Complete        |  |  |
| GEN-4                               | Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).                          | Notify the CPM of the CEO's approval of the new engineer (RE).  | Within 5 days of CEO approval                                   | 12/12/01                | 12/12/01                  | 1/16/02                  |  | Complete        |  |  |
| GEN-4                               | Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).                          | Notify the CPM of the CEO's approval of the new engineer (RE).  | Within 5 days of CEO approval                                   | 12/11/02                | 1/16/02                   | N/A                      |  | Complete        |  |  |
| GEN-5                               | Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer. | Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.  | 30 days prior to start of rough grading                         | 12/15/01                | 8/1/01                    | 8/7/01                   |  | Complete        |  |  |
| GEN-5                               | Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer. | The project owner shall notify the CPM or the CBO's approvals of the engineers within five days of the approval.  | Within 5 days of CEO approval                                   | 8/12/01                 | 8/16/01                   | N/A                      |  | Complete        |  |  |
| GEN-5                               | Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer. | Submit qualifications of replacement engineer.  | Within 5 days   | 12/17/01                | 1/16/02                   | 1/18/01                  |  | Complete        |  |  |
| GEN-5                               | Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer. | Notify the CPM of the CEO's approval of the new engineer.   | Within 5 days of CEO approval                                   | 1/18/02 & 1/28/02       | N/A                       |                          |  | Complete        |  |  |
| GEN-6                               | Assign qualified and certified special inspector(s);   | Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.  | 15 days prior to any activity requiring Special inspection      | 1/11/02                 | 1/16/02                   | In progress              |  | In progress     |  |  |
| GEN-6                               | Assign qualified and certified special inspector(s).   | Submit to the CPM a copy of the CEO's approval.   | Monthly Compliance Report after Special Inspectors are approved | 2/14/02                 |                           |                          |  |                 |  |  |
| GEN-6                               | Assign qualified and certified special inspector(s).   | Replacement of special inspectors   | Replacement of Special Inspector                                |                         |                           |                          |  |                 |  |  |
| GEN-6                               | Assign qualified and certified special inspector(s);   | Notify the CPM of the CEO's approval of the newly assigned inspector.   | Within 5 days of CEO approval                                   |                         |                           |                          |  |                 |  |  |
| GEN-7                               | Keep the CEO informed regarding the status of engineering and construction.  | Submit monthly construction progress reports to the CBO and CPM.  | Monthly Construction Progress Report                            |                         |                           |                          |  | In progress     |  |  |
| GEN-7                               | Keep the CEO informed regarding the status of engineering and construction.  | Document the discrepancy and recommend the corrective action required.  | Discrepancy In Design or Construction                           |                         |                           |                          |  |                 |  |  |
| GEN-7                               | Keep the CEO informed regarding the status of engineering and construction.  | Transmit a copy of the CEO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.  | Within 15 days of CEO Approval or Disapproval of Discrepancy    |                         |                           |                          |  |                 |  |  |
| GEN-7                               | Keep the CEO informed regarding the status of engineering and construction.  | If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CEO's approval.   | Within 5 days of CEO Approval or Disapproval of Discrepancy     |                         |                           |                          |  |                 |  |  |
| GEN-8                               | Obtain the CEO's final approval of all completed work.   | Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans. | Within 15 days of the completion of any work                    |                         |                           |                          |  |                 |  |  |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |   |   |  |                         |                            |   |
|---|---|---|--|-------------------------|----------------------------|---|
| Condition No.                             | Requirements & Task Summary   | Action required   | Event  | Required Submittal Date | Date submitted to CP/M/CBO | Status/Comments   |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002   |   |  |                         |                            |   |
| START OF CONSTRUCTION                     | 9/1/2002  |   |  |                         |                            |   |
| CIVIL-1                                   | Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report. | Submit the documents described above to the CBO for review and approval.  | 15 days prior to start of rough grading                        | 12/30/01                | 8/27/01                    | Complete (Except for approval of Construction Facilities Plan, Rev.2) |
| CIVIL-1                                   | Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report. | Submit a written statement certifying that the documents have been approved by the CBO.   | Monthly Compliance Report after CIVIL-1 Documents are Approved | 5/14/02                 | 5/14/02                    | Submitted with May Monthly Compliance Report.                         |
| CIVIL-2                                   | The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.  | Notify CPM within 5 days when work is stopped.  | Within 5 days when work is stopped                             |                         |                            |   |
| CIVIL-2                                   | The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.  | Submit modified plans, specifications and calculations to the CBO based on new conditions.  | Work Stopped Due to Unforeseen or Adverse Soil Conditions      |                         |                            |   |
| CIVIL-2                                   | The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.  | Copy CPM within 5 days of CBO approval of Modified Plans.   | 5 days of CBO approval   |                         |                            |   |
| CIVIL-3                                   | Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.   | Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection. | Start of Rough Grading   |                         |                            |   |
| CIVIL-3                                   | Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.   | The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.  | Within 5 days of discovery of discrepancy in grading           |                         |                            |   |
| CIVIL-3                                   | Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.   | Submit the details of the corrective action to the CBO and the CPM.   | Within 5 days of resolution of grading NCR.                    |                         |                            |   |
| CIVIL-3                                   | Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.   | A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.  | Monthly Compliance Report after Resolution of Grading NCR      |                         |                            |   |

## MEIGALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.         | Requirements & Task Summary  | Action required   | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments                        |
|-----------------------|--|---|---|-------------------------|---------------------------|--------------------------|--|
| START OF CONSTRUCTION | 1/14/2002  | 9/1/2002  |   |                         |                           |                          |  |
| CIVIL-4               | After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities. | Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.   | 30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities                       | 7/28/02                 | 7/26/02                   |                          | Submitted phase 1 grading only to CBO. |
| CIVIL-4               | After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities. | Submit a copy of this report to the CPM in the next Monthly Compliance Report.  | Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities | 8/14/02                 | 8/14/02                   |                          | Complete for phase 1 grading only.     |
| STRUC-1               | Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.  | Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.  | 30 days prior to any increment of STRUC-1 Construction  |                         |                           |                          |  |
| STRUC-1               | Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.  | Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer. | 90 days prior to the start of on-site fabrication and installation of each structure                                  |                         |                           |                          | In progress                            |
| STRUC-1               | Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.  | If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.  | Within 20 days of receipt of the nonconforming submittal  |                         |                           |                          |  |
| STRUC-1               | Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.  | Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.  | Approval by the CBO of Resubmitted STRUC-1 Submittal  |                         |                           |                          |  |
| STRUC-2               | The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.   | Submit test reports and inspection reports to the CBO   | Test Reports or Inspection Reports are Complete   |                         |                           |                          |  |
| STRUC-2               | The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.   | If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.   | Within 5 days of discovery of discrepancy   |                         |                           |                          |  |
| STRUC-2               | The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.   | Submit a copy of the corrective action to the CBO and the CPM.  | Within five days of resolution of the NCR   |                         |                           |                          |  |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No. | Requirements & Task Summary  | Action required  | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments |
|---------------|--|--|--|-------------------------|---------------------------|--------------------------|-----------------|
| STRUC-2       | The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.   | Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM. If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.                        | Within 15 days of CBO approval   |                         |                           |                          |                 |
| STRUC-2       | The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.   | Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.                            | Design Changes to STRUC-1 Designs Previously Approved by the CBO                 |                         |                           |                          |                 |
| STRUC-3       | Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.  | Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.  | Monthly Compliance Report  |                         |                           |                          |                 |
| STRUC-3       | Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.                                    | Submit to the CBO for review and approval, final 30 days prior to the start of installation of the tanks or vessels design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification. |  |                         |                           |                          |                 |
| STRUC-4       | Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.                                    | Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.   | Monthly Compliance Report  |                         |                           |                          |                 |
| STRUC-4       | Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.                                    | Transmit a copy of the CBO's inspection approvals to the CPM.  | Monthly Compliance Report  |                         |                           |                          |                 |
| MECH-1        | Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system. | Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.                              | 30 days prior to the start of any increment of piping construction               |                         |                           |                          |                 |
| MECH-1        | Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system. | Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.  | Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems |                         |                           |                          |                 |
| MECH-2        | For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.            | Submit to the CBO for review and approval, final 30 days prior to the start of on-site fabrication or installation of any pressure vessel including a copy of the signed and stamped engineer's certification, with a copy to the CPM.   |  |                         |                           |                          |                 |

## METCALF ENERGY CENTER COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event   | Required Submittal Date | Date submitted to CPNCBO | Date approved by CPMCBO | Status Comments |
|-------------------------------------|--|--|---|-------------------------|--------------------------|-------------------------|-----------------|
| START OF MOBILIZATION/ROUGH GRADING | 11/17/2002   |  |   |                         |                          |                         |                 |
| START OF CONSTRUCTION               | 9/1/2002   |  |   |                         |                          |                         |                 |
| MECH-2                              | For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.  | The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.   | Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels              |                         |                          |                         |                 |
| MECH-2                              | For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.  | Transmit a copy of the CBO's and/or Cal-OSHA's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.  | Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2 |                         |                          |                         |                 |
| MECH-3                              | Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBC for review and approval the design plans, specifications, calculations and quality control procedures for that system.  | Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.                   | 30 days prior to the start of construction of any HVAC or refrigeration system                |                         |                          |                         |                 |
| MECH-3                              | Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.  | Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.  | Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems                  |                         |                          |                         |                 |
| MECH-3                              | Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.  | Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.  | Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3     |                         |                          |                         |                 |
| MECH-4                              | Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency. | Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC. | 30 days prior to the start of construction of any of the above systems                        |                         |                          |                         |                 |
| MECH-4                              | Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency. | Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.       | Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4   |                         |                          |                         |                 |

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

| Condition No.                       | Requirements & Task Summary  | Action required  | Event   | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO | Status/Comments |
|-------------------------------------|--|--|---|-------------------------|---------------------------|--------------------------|-----------------|
| START OF MOBILIZATION/ROUGH GRADING | 1/14/2002  |  |   |                         |                           |                          |                 |
| START OF CONSTRUCTION               | 9/1/2002   |  |   |                         |                           |                          |                 |
| MECH-4                              | Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency. | Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.   | Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4  |                         |                           |                          |                 |
| ELEC-1                              | For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.  | Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.   | 30 days prior to the start of each increment of electrical construction   |                         |                           |                          |                 |
| ELEC-1                              | For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.  | Send a copy of the transmittal letter of the electrical engineer attesting compliance with the applicable LORS to the CPM.   | Monthly Compliance Report after submitting Electrical Documents for CEO Approval per ELEC-1                       |                         |                           |                          |                 |
| ELEC-1                              | For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.  | The following activities shall be reported in the monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.  | Monthly Compliance Report after Receipt or Testing of Equipment or CEO Approval of Electrical Drawings per ELEC-1 |                         |                           |                          |                 |
| ELEC-2                              | The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CEC 1998, Section 106.3.2, Submittal documents.]  | Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS. | 30 days prior to the start of each increment of electrical equipment installation                                 |                         |                           |                          |                 |
| ELEC-2                              | The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CEC 1998, Section 106.3.2, Submittal documents.]  | Send a copy of the transmittal letter of the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.   | Monthly Compliance Report after submitting Electrical Documents for CEO Approval per ELEC-2                       |                         |                           |                          |                 |
| TSE-1                               | Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.   | Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.  | 60 days prior to construction of transmission facilities  |                         |                           |                          |                 |
| TSE-1                               | Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.   | Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.   | 60 days prior to construction of transmission facilities  |                         |                           |                          |                 |

| METCALF ENERGY CENTER - COMPLIANCE MATRIX |  |   |  |                         |                           |                          |
|---|--|---|--|-------------------------|---------------------------|--------------------------|
| Condition No.                             | Requirements & Task Summary  | Action required   | Event  | Required Submittal Date | Date submitted to CPM/CBO | Date approved by CPM/CBO |
| START OF MOBILIZATION/ROUGH GRADING       | 1/14/2002  | Submit for approval to the CPM, c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.   | 60 days prior to construction of transmission facilities |                         |                           |                          |
| START OF CONSTRUCTION                     | 9/1/2002   |   |  |                         |                           |                          |
| TSE-1                                     | Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.   | Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.  | 60 days prior to construction of transmission facilities |                         |                           |                          |
| TSE-2                                     | Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.  | Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.                                 | Within 60 days after synchronization of the project      |                         |                           |                          |
| TSE-3                                     | Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.  | Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.                                 | Within 60 days after synchronization of the project      |                         |                           |                          |
| TSE-3                                     | Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docking. If this deadline is not met, the CPM will establish the milestones. | Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.         | Within 60 days after synchronization of the project      |                         |                           |                          |
| Governor's Executive Order No. D-25-01    | Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docking. If this deadline is not met, the CPM will establish the milestones. | ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION  | Project Certification                                    | 10/24/01                | 10/24/01                  | 11/19/01                 |
| Governor's Executive Order No. D-25-01    | The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends, (horizontal drilling).  | ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION  | Project Certification                                    | 10/24/01                | 10/24/01                  | 11/19/01                 |
| US Dep Commerce                           | Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.   | Start of Rough Grading  |  |                         |                           |                          |
| Pre-constr matrix                         | A compliance matrix shall be submitted by along with each monthly and annual compliance report.  | Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction. | Start of Construction                                    |                         |                           |                          |
| Compliance matrix                         |  | Submit compliance report  | Monthly Compliance Report                                | 11/15/01                | 11/15/01                  | In progress              |

**PUBLIC CONTACT LOG  
COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS  
AND CITATIONS**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10**

## MEC PUBLIC CONTACT LOG - July 2002

| DATE/TIME            | NAME & CONTACT                            | FORM OF CONTACT      | PURPOSE OF CALL/CONTACT | ACTION/RESOLUTION   | DATE/TIME OF RESPONSE | MEC REP      |
|----------------------|---|----------------------|-------------------------|---|-----------------------|--------------|
| 7/24/2002<br>9:10AM  | Ron with Valley Oil Co.                   | Public Info.<br>Line | Vendor                  | Returned call informing him that his company will be put on a list of potential vendors | 7/29/2002             | Megan Gluhan |
| 7/24/2002<br>12:00PM | John McLaughlin with Pan Pacific Pipe Co. | Public Info.<br>Line | Vendor                  | Returned call informing him that his company will be put on a list of potential vendors | 7/29/2002             | Megan Gluhan |
| 7/25/2002<br>2:08PM  | Steve Arshop                              | Public Info.<br>Line | Vendor                  | Returned call informing him that his company will be put on a list of potential vendors |                       | Lisa Poelle  |

## **CBO SUBMITTALS, COMMENTS AND APPROVALS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev      | Document Title   | Approved Comments | Open/Closed | Date Comment | Action to CBO | CBO Response | CBO Approval |
|------------|----------|--|-------------------|-------------|--------------|---------------|--------------|--------------|
| CIVIL-1    | 0        | TECHNICAL SPECIFICATION FOR EARTHWORK, GRADING AND STRUCTURAL BACKFILL | Approved          | CLOSED      | 11/15/01     | 10/22/01      |              | 1/28/02      |
| CIVIL-1    | 0        | SITE PLAN  | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | SITE PLAN  | Approved          | CLOSED      | N/A          | 10/15/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | CONSTRUCTION FACILITIES  | Comments          | OPEN        | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 2        | CONSTRUCTION FACILITIES  |                   | OPEN        |              | 2/27/02       |              |              |
| CIVIL-1    | 2        | CONSTRUCTION FACILITIES  | Resubmittal       | OPEN        |              | 4/25/02       |              |              |
| CIVIL-1    | 2        | CONSTRUCTION FACILITIES  | Comments          | OPEN        | 6/12/02      |               |              |              |
| CIVIL-1    | 0        | PLOT PLAN  | Approved          | CLOSED      | 10/26/01     | 9/18/01       |              | 4/2/02       |
| CIVIL-1    | 0        | STORM WATER PIPING PLAN  | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | STORM WATER PIPING PLAN  | Approved          | CLOSED      | 10/26/01     | 10/10/01      |              | 4/2/02       |
| CIVIL-1    | 0        | CLEARING, STRIPPING, AND STOCKPILE PLAN                                | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | CLEARING, STRIPPING, AND STOCKPILE PLAN                                | Approved          | CLOSED      | N/A          | 10/19/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | EROSION CONTROL DETAILS  | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | EROSION CONTROL DETAILS  | Approved          | CLOSED      | N/A          | 10/19/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | DRAINAGE DETAILS   | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | DRAINAGE DETAILS   | Approved          | CLOSED      | 10/26/01     | 10/10/01      |              | 4/2/02       |
| CIVIL-1    | 0        | ROUGH GRADING DETAILS  | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | ROUGH GRADING DETAILS  | Approved          | CLOSED      | N/A          | 10/19/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | DRAINAGE HEADWALL DETAILS  | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | DRAINAGE HEADWALL DETAILS  | Approved          | CLOSED      | N/A          | 10/19/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | ROUGH GRADING SECTIONS   | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | ROUGH GRADING SECTIONS   | Approved          | CLOSED      | N/A          | 10/19/01      | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0        | RETAINING WALL PLAN, PROFILE AND DETAILS                               | Comments          | CLOSED      | 9/18/01      | 8/27/01       |              |              |
| CIVIL-1    | 1        | RETAINING WALL PLAN, PROFILE AND DETAILS                               | Comments          | CLOSED      | 10/26/01     | 10/10/01      |              |              |
| CIVIL-1    |          | RETAINING WALL PLAN, PROFILE AND DETAILS                               | Comments          | CLOSED      | 3/19/02      | 3/15/02       |              |              |
| CIVIL-1    | FCR-0002 | RETAINING WALL PLAN, PROFILE AND DETAILS                               | Approved          | CLOSED      | 4/8/02       |               |              | 4/8/02       |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Cbo Number | Rev | Document Title   | Approved Comments | Open/Closed | Date Comment | Actual to CBO Response | CBO Response | CBO Approval |
|------------|-----|--|-------------------|-------------|--------------|------------------------|--------------|--------------|
| CIVIL-1    | 0   | ROUGH GRADING PLAN PHASE 1                                   | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 1   | ROUGH GRADING PLAN PHASE 1                                   | Approved          | CLOSED      | N/A          | 10/15/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 2   | ROUGH GRADING PLAN PHASE 1                                   | Approved          | CLOSED      | N/A          | 10/19/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 3   | ROUGH GRADING PLAN PHASE 1                                   |                   | CLOSED      |              | 10/25/01               |              |              |
| CIVIL-1    | 0   | ROUGH GRADING PLAN PHASE 2                                   | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 1   | ROUGH GRADING PLAN PHASE 2                                   | Approved          | CLOSED      | N/A          | 10/19/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0   | MAIN ACCESS ROAD PLAN AND PROFILE                            | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 1   | MAIN ACCESS ROAD PLAN AND PROFILE                            | Approved          | CLOSED      | N/A          | 10/19/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0   | RAILROAD PLAN AND PROFILE                                    | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 1   | RAILROAD PLAN AND PROFILE                                    | Approved          | CLOSED      | N/A          | 10/19/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0   | DESIGN OF REINFORCED CONCRETE RETAINING WALL                 | Comments          | CLOSED      | 10/26/01     | 10/10/01               |              |              |
| CIVIL-1    | 1   | EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 2   | EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN | Approved          | CLOSED      | N/A          | 10/19/01               | 10/31/01     | 10/26/01     |
| CIVIL-1    | 0   | SOUTH LAYDOWN SEDIMENT & EROSION CONTROL PLANS               | Comments          | OPEN        | 6/17/02      |                        |              |              |
| CIVIL-1    | 0   | ENGINEERING GEOLOGY REPORT                                   | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 0   | ENGINEERING GEOLOGY REPORT                                   |                   | CLOSED      |              |                        |              |              |
| CIVIL-1    |     | ENGINEERING GEOLOGY REPORT                                   | Approved          | CLOSED      |              |                        | 4/2/02       |              |
| CIVIL-1    | 0   | PRELIMINARY STORM WATER MANAGEMENT BASIN SIZING CALCULATION  | Approved          | CLOSED      | 9/18/01      | 8/27/01                |              | 4/2/02       |
| CIVIL-1    | 0   | STORM DRAIN SYSTEM DESIGN                                    | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |
| CIVIL-1    | 1   | STORM DRAIN SYSTEM DESIGN                                    | Approved          | CLOSED      | 10/26/01     | 10/10/01               |              | 4/2/02       |
| CIVIL-1    | 0   | SUBSURFACE INVESTIGATION AND FOUNDATION REPORT               | Comments          | CLOSED      | 9/18/01      | 8/27/01                |              |              |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev | Document Title   | Approved Comments | Open/Closed | Date Comment Entered | CBO CBC Response | CBO CBC Approval |
|------------|-----|--|-------------------|-------------|----------------------|------------------|------------------|
| CIVIL-1    | 1   | SUBSURFACE INVESTIGATION AND FOUNDATION REPORT             | Comments Approved | CLOSED      | N/A                  | 11/30/01         |                  |
| CIVIL-1    | 1   | SUBSURFACE INVESTIGATION AND FOUNDATION REPORT (SEALED)    | Comments Approved | CLOSED      | N/A                  | 1/4/02           | 1/8/02           |
| CIVIL-1    |     | MR. KIT YIN NG, RPE CIVIL DRAINING/VERSION CONTROL         | Comments Approved | CLOSED      |                      | 8/3/01           | 4/2/02           |
| CIVIL-1    |     | MR. BILL PETROSKI, HYDRAULIC ENGINEER (RESUBMITTAL)        | Comments Approved | CLOSED      |                      | 12/26/01         |                  |
| GEO-2      |     | ENGINEERING GEOLOGY REPORT                                 | Comments Approved | CLOSED      |                      |                  | 8/7/01           |
| STRUC-1    | 0   | FURNISHING AND DELIVERING READY-MIX CONCRETE               | Comments OPEN     | OPEN        |                      | 10/19/01         | 4/2/02           |
| STRUC-1    | 0   | CONCRETE AND EARTHWORK                                     | Comments OPEN     | OPEN        |                      | 10/19/01         |                  |
| STRUC-1    | C   | TESTING SERVICES   | Comments OPEN     | OPEN        |                      | 10/19/01         |                  |
| STRUC-1    |     | SPECIFICATIONS FOR PILING, CONCRETE FILLED PIPE PILES      | Comments OPEN     | OPEN        |                      | 3/1/02           |                  |
| STRUC-1    |     | CONCRETE FORMWORK, CURING AND GROUT (Specifications 03100) | Comments OPEN     | OPEN        |                      | 3/15/02          |                  |
| STRUC-1    | A   | CONCRETE CURING (Spec. 03390)                              | Comments Approved | CLOSED      |                      |                  | 3/26/02          |
| STRUC-1    |     | CONCRETE CURING (Spec. 03390)                              | Comments OPEN     | OPEN        |                      | 3/15/02          |                  |
| STRUC-1    | A   | GROUT (Spec. 03600)  | Comments OPEN     | CLOSED      |                      |                  | 3/26/02          |
| STRUC-1    | 0   | GROUT (Spec. 03600)  | Comments OPEN     | OPEN        |                      | 3/20/02          |                  |
| STRUC-1    |     | GROUT (Spec. 03600)  | Comments OPEN     | CLOSED      |                      |                  | 3/26/02          |
| STRUC-1    |     | CIVIL/STRUCTURAL DESIGN CRITERIA                           | Comments OPEN     | OPEN        |                      | 4/18/02          |                  |
| STRUC-1    |     | CIVIL/STRUCTURAL DESIGN CRITERIA                           | Comments Approved | CLOSED      |                      |                  | 5/15/02          |
| STRUC-1    | 0   | DESIGN OF CONCRETE FILLED PIPE PILLES                      | Comments OPEN     | OPEN        |                      | 4/2/02           |                  |
| STRUC-1    | 0   | COMBUSTION TURBINE FOUNDATION DESIGN-UNIT#1                | Comments OPEN     | OPEN        |                      | 4/2/02           |                  |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev | Document Title  | Approved Comments | Open/Closed | Date Comment Due | Actual to CBO | CBO Response | CBO Approval |
|------------|-----|---|-------------------|-------------|------------------|---------------|--------------|--------------|
| STRUC-1    | 0   | STEAM TURBINE PEDESTAL FOUNDATION DESIGN                        |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | MAT FOUNDATION FOR HRSG AND STACK -UNIT#1                       |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | COMPOSITE PILE PLAN   |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | PILE SECTIONS AND DETAILS                                       |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | UNIT#1-COMBUSTION TURBINE GENERATOR PILE LOCATION PLAN          |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | STEAM TURBINE GENERATOR PEDESTAL PILE LOCATION PLAN             |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | HRSG PILE LOCATION PLAN-UNIT#1                                  |                   | OPEN        |                  | 4/2/02        |              |              |
| STRUC-1    | 0   | PILE DRAWINGS & CALCS. FOR CTG, STG & HRSG FOUNDATIONS          |                   | OPEN        |                  | 4/4/02        |              |              |
| STRUC-1    |     | DRAWINGS & CALCULATIONS FOR CTG FOUNDATIONS                     |                   | CLOSED      |                  | 5/31/02       |              |              |
| STRUC-1    | 0   | PILE DRAWINGS & CALCS. FOR HRSG FOUNDATIONS                     |                   | OPEN        |                  | 4/12/02       |              |              |
| STRUC-1    | 0   | PILE DRAWINGS & CALCS. FOR HRSG FOUNDATIONS                     |                   | CLOSED      |                  | 5/16/02       |              |              |
| STRUC-1    |     | SEISMIC CALCULATIONS, 200 GALLON RESERVOIR HYDRAULIC POWER UNIT | Approved          | CLOSED      |                  | 5/10/02       |              |              |
| STRUC-1    |     | REPORT ON SEISMIC DESIGN MOTIONS                                | Approved          | CLOSED      | N/A              | 3/21/02       |              |              |
| STRUC-1    |     | DESIGN WIND SPEED   | Approved          | CLOSED      |                  | 3/19/02       |              |              |
| STRUC-1    |     | DESIGN REPORT FOR W501F EXHAUST SYSTEM DIFFUSER                 | Approved          | CLOSED      |                  | 4/24/02       |              |              |
| STRUC-1    |     | GENERAL NOTES AND TYPICAL DRAWINGS                              | Approved          | CLOSED      |                  | 4/30/02       |              |              |
| STRUC-1    | 0   | CTG UNITS 1&2 FOUNDATION PLAN (CALCS.)                          |                   | OPEN        |                  | 4/16/02       |              |              |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev | Document Title  | Approved Comments | Open/Closed | Date Comment Entered | Actual to CBO Response | CBO Response | CBO Approval |
|------------|-----|---|-------------------|-------------|----------------------|------------------------|--------------|--------------|
| STRUC-1    | 0   | CTG UNITS 1&2 FOUNDATION PLAN<br>(DRAWING S205)                         |                   | OPEN        |                      | 4/16/02                |              |              |
| STRUC-1    | 0   | CTG UNITS 1&2 FOUNDATION -<br>SECTIONS (DRAWING S206)                   |                   | OPEN        |                      | 4/16/02                |              |              |
| STRUC-1    | 0   | CTG UNITS 1&2 FOUNDATION -<br>SECTION & DETAILS (DRAWING<br>S208)       |                   | OPEN        |                      | 4/16/02                |              |              |
| STRUC-1    | 0   | CTG UNITS 1&2 FOUNDATION -<br>EMBEDDED ITEMS (DRAWING S210)             |                   | OPEN        |                      | 4/16/02                |              |              |
| STRUC-1    |     | GAS TURBINE DOCUMENT<br>TRANSMITTAL                                     | Comments          | OPEN        |                      | 5/17/02                | 5/31/02      |              |
| STRUC-1    | 0   | STEAM TURBINE GENERATOR<br>FOUNDATION DESIGN                            | Comments          | OPEN        |                      | 5/30/02                |              |              |
| STRUC-1    | 1   | STEAM TURBINE GENERATOR<br>FOUNDATION DESIGN                            |                   | OPEN        | 7/23/02              | 6/19/02                |              |              |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM PILE<br>PLAN                                     | Comments          | OPEN        |                      | 5/30/02                |              |              |
| STRUC-1    | 1   | STEAM TURBINE PLATFORM PILE<br>PLAN                                     | Approved          | CLOSED      |                      | 6/19/02                |              | 6/24/02      |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>FOUNDATION PLAN (DRAWING<br>S125)             |                   | OPEN        |                      | 6/19/02                |              |              |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>FOUNDATION PILE CAP DETAILS<br>(DRAWING S135) |                   | OPEN        |                      | 6/19/02                |              |              |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>FOUNDATION SECTIONS & DETAILS<br>(DRWNG S190) |                   | OPEN        | 7/23/02              | 6/19/02                |              |              |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>FOUNDATION SECTIONS & DETAILS<br>(DRWNG S191) |                   | OPEN        |                      | 6/19/02                |              |              |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev | Document Title  | Approved Comments | Open/Closed | Date Comment | CBO Response | CBO Addenda |
|------------|-----|---|-------------------|-------------|--------------|--------------|-------------|
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>(DRAWING S192)                          |                   | OPEN        | 7/23/02      | 6/19/02      |             |
| STRUC-1    | 0   | STEAM TURBINE PLATFORM<br>ENLARGED FOUNDATION                     |                   | OPEN        |              | 6/19/02      |             |
| STRUC-1    |     | TESTING LABORATORY SERVICES<br>(Spec. 01410)                      | Approved          | CLOSED      |              |              | 6/14/02     |
| STRUC-1    |     | STRUCTURAL STEEL  | Approved          | CLOSED      |              |              | 6/14/02     |
| STRUC-1    |     | PRE-ENGINEERED BUILDINGS  | Approved          | CLOSED      |              |              | 6/14/02     |
| STRUC-1    | 0   | AGGREGATE BASE COURSE (Spec.<br>02721)                            |                   | OPEN        |              | 6/24/02      |             |
| STRUC-1    | 0   | ASPHALT PAVING (Spec. 02740)                                      |                   | OPEN        |              | 6/24/02      |             |
| STRUC-1    | 0   | CONCRETE REINFORCEMENT<br>(Spec. 03200)                           |                   | OPEN        |              | 6/24/02      |             |
| STRUC-1    |     | HILLIER/GIEGER DOCUMENTS FOR<br>VISUAL SCREEN FOUNDATION<br>LOADS |                   | OPEN        | 7/23/02      | 6/20/02      |             |
| STRUC-1    | 1   | CONCRETE-FILLED PIPE PILES  |                   | OPEN        |              | 6/20/02      |             |
| STRUC-1    | 2   | PILE LOAD TEST PLAN   |                   | OPEN        |              | 6/20/02      |             |
| STRUC-1    | 2   | TEST PILE SECTIONS AND DETAILS                                    |                   | OPEN        |              | 6/20/02      |             |
| STRUC-1    | 0   | ROAD GEOMETRY PLAN  |                   | OPEN        |              | 6/13/02      |             |
| STRUC-1    | 0   | TOPICAL ROAD CROSS SECTION  |                   | OPEN        |              | 6/13/02      |             |
| STRUC-1    | 0   | PG&E ATV ACCESS PARTIAL PLAN<br>AND PROFILE                       |                   | OPEN        |              | 6/13/02      |             |
| STRUC-1    | 1   | PILE DRIVING HAMMER DATA  |                   | OPEN        |              | 6/26/02      |             |
| STRUC-1    | 0   | PILE DRIVING CRANE DATA SHEET                                     |                   | OPEN        |              | 6/26/02      |             |
| STRUC-1    | 0   | PILE DRIVING ANALYZER DATA<br>SHEET                               |                   | OPEN        |              | 6/26/02      |             |
| STRUC-1    | 1   | GROUND VIBRATION EQUIPMENT<br>DATA SHEET                          |                   | OPEN        |              | 6/26/02      |             |
| STRUC-1    | 0   | NOISE MONITORING PLAN   |                   | OPEN        |              | 6/26/02      |             |
| STRUC-1    | 1   | PILE LATERAL LOAD PROCEDURE                                       |                   | OPEN        |              | 6/26/02      |             |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| Doc Number | Rev | Document Title   | Approved Comments | Open Closed | Date Comment | Actual to CBO | CBO Response | CBO Approval |
|------------|-----|--|-------------------|-------------|--------------|---------------|--------------|--------------|
| STRUC-1    | 1   | PILE COMPRESSION LOAD TEST PROCEDURE                                       |                   | OPEN        |              | 6/26/02       |              |              |
| STRUC-1    | 1   | PILE TENSION LOAD TEST PROCEDURE   |                   | OPEN        |              | 6/26/02       |              |              |
| STRUC-1    | 0   | ADMIN-CONTROL/MAINT/ WAREHOUSE BUILDING- CONCEPTUAL FLOOR PLAN & ELEVATION |                   | OPEN        |              | 11/6/01       |              |              |
| STRUC-1    | 0   | ADMIN-CONTROL/MAINT/ WAREHOUSE BUILDING CONCEPTUAL ELEVATIONS & SECTION    |                   | OPEN        |              | 11/6/01       |              |              |
| STRUC-1    | 0   | ADMIN-CONTROL RESTROOM FLOOR PLAN, REFLECTED CEILING PLAN & ELEVATIONS     |                   | OPEN        |              | 11/6/01       |              |              |
| STRUC-1    | 0   | SIEMENS WESTINGHOUSE PLANS AND CALCULATIONS                                | Comments          | OPEN        | 7/10/02      |               |              |              |
| STRUC-1    | 0   | COOLING TOWER FOUNDATION   | Comments          | OPEN        | 7/23/02      |               |              |              |
| MECH-1     | B   | P&ID FIRE PROTECTION SYSTEM  |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | B   | P&ID FIRE PROTECTION SYSTEM  |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | B   | P&ID DOMESTIC WATER SYSTEM   |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     |     | P&ID SANITARY WASTE SYSTEM   |                   |             |              |               |              |              |
| MECH-1     | 1   | P&ID SYMBOLS AND LEGENDS   |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | 1   | P&ID SYMBOLS AND LEGENDS   |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | 1   | P&ID SYMBOLS AND LEGENDS   |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | 1   | P&ID SYMBOLS AND LEGENDS   |                   | OPEN        |              | 10/31/01      |              |              |
| MECH-1     | 1   | P&ID SYMBOLS AND LEGENDS   |                   | OPEN        |              | 10/31/01      |              |              |
| GEN-2      | 0   | CONCRETE WORK  |                   | OPEN        |              | 10/19/01      |              |              |
| GEN-2      | 0   | EMBEDDED STEEL AND ANCHOR BOLTS  |                   | OPEN        |              | 10/19/01      |              |              |
| GEN-2      | 0   | PURCHASE AND FABRICATION OF REINFORCING STEEL                              |                   | OPEN        |              | 10/19/01      |              |              |
| GEN-2      | 1   | BECHTEL CBO SUBMITTAL LIST   |                   | OPEN        |              | 10/17/01      |              |              |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| CCN Number | Rev. | Document Title   | Approved Comments | Open/Closed | Date Comment Ltr. | Actual CBO Response | CBO Approval |
|------------|------|--|-------------------|-------------|-------------------|---------------------|--------------|
| GEN-2      |      | BECHTEL CBO SUBMITTAL LIST   | Comments          | CLOSED      | 10/16/01          | 9/28/01             |              |
| GEN-2      |      | PROPOSED LIST OF DOCUMENTS FOR THE CTG, STG, AND CONDENSER EQUIPMENT FOR SIEMENS WESTINGHOUSE GAS TURBINE DIFFUSER | Comments          | OPEN        | 9/28/01           | 9/13/01             |              |
| GEN-2      |      | MR. ARTHUR B. BUTIC, RESIDENT CIVIL ENGINEER   |                   | OPEN        |                   | 4/22/02             |              |
| GEN-4      |      | MR. SHUKE MIAO, RESIDENT CIVIL ENGINEER (RESUBMITTAL)  | Approved          | CLOSED      |                   | 8/1/01              | 8/7/01       |
| GEN-4      |      | BIOLOGICAL SUMMARY AND ACCREDITATION OF Mr. JAMES THOMPSON FOR SIEMENS-WESTINGHOUSE                                | Approved          | CLOSED      |                   | 12/12/01            | 1/17/02      |
| GEN-5      |      | MR. THOMAS FRANKERT, CIVIL ENGINEER  | Approved          | CLOSED      | N/A               | 9/5/01              | 9/28/01      |
| GEN-5      |      | MR. MARTIN BALLOD, CIVIL AND DESIGN ENGINEER   | Approved          | CLOSED      |                   | 8/1/01              | 8/7/01       |
| GEN-5      |      | MR. MAHANDRA R. GANDHI, ELECTRICAL ENGINEER  | Approved          | CLOSED      |                   | 11/26/01            | 1/18/02      |
| GEN-5      |      | MR. IRA RUBIN, ELECTRICAL ENGINEER (RESUBMITTAL)   | Approved          | CLOSED      |                   | 8/1/01              | 8/7/01       |
| GEN-5      |      | MR. CHARLES EMMA, ELECTRICAL ENGINEER (RESUBMITTAL)  |                   | OPEN        |                   | 11/26/01            | 1/18/02      |
| GEN-5      |      | MR. DEV CHATTOPADHYAY, MECHANICAL ENGINEER   | Approved          | CLOSED      |                   | 6/25/02             |              |
| GEN-5      |      | MR. MIKE MASI, MECHANICAL ENGINEER (RESUBMITTAL)   |                   |             |                   | 8/1/01              | 1/18/02      |
| GEN-5      |      | MR. DENNIS CHIANESE, MECHANICAL ENGINEER (RESUBMITTAL)   |                   |             |                   | 11/26/01            | 1/18/02      |
| GEN-5      |      |  |                   |             |                   | 6/25/02             |              |

## STATUS OF CBO SUBMITTALS FOR JULY 2002

| CBO Number | Rev | Document Title  | Approved Comments | Open/Closed | Date Comment | Action CBO | CBO Response | CBO Approval |
|------------|-----|---|-------------------|-------------|--------------|------------|--------------|--------------|
| GEN-5      |     | MR. IGNACIO ARRANGO'S RESUME,<br>GEO TECH ENGINEER  | Approved          | CLOSED      | N/A          | 9/4/01     | 10/11/01     | 9/28/01      |
| GEN-5      |     | MR. C. BARRY BUTLER AND MR.<br>RICHARD G. WOODARD,<br>GEOTECHNICAL ENGINEERS<br>(RESUBMITTAL) | Approved          | CLOSED      |              | 12/17/01   | 1/16/02      | 1/16/02      |
| GEN-6      |     | MR. DAVID GRAY'S RESUME FOR<br>SIEMENS WESTINGHOUSE   | Approved          | CLOSED      | N/A          | 9/4/01     | 9/28/01      | 9/28/01      |
| GEN-6      |     | MR. JOHN NELSON AND ROMAN<br>REYES, CIVIL ENGINEER RESUMES                                    | Approved          | OPEN        | N/A          | 9/28/01    | 10/11/01     | 9/28/01      |
| GEN-6      |     | MR. JARROD BORDI, WELDING<br>INSPECTOR  |                   | OPEN        |              | 7/9/02     |              |              |
| GEN-6      |     | MR. MICHAEL EVERSON, WELDING<br>INSEPCITOR  |                   | OPEN        |              | 7/9/02     |              |              |



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July 1, 2002

Jim Ferrara  
Burns & Roe Enterprises  
2000 Crawford Place, Suite 100  
Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK No. 13254-3022**  
**Condition of Certification STRUC-1**  
Drawings for Roadways

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit four sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

**PLAN REVIEW COMMENTS**

We have completed our review of drawings C040, C043 and C045 by Burns and Roe Enterprises, Inc. for the above project. We have the following comments.

1. The submitted drawings provide an overall site layout, and plan and profile sheets for the access road beginning at station 7+75. Provide sheet C042 and any other sheets which describe proposed construction.
2. Sheet C043 does not account for road construction details between station 9+50 and 10+00.
3. Existing vs. proposed conditions are not clearly identified in the Road Geometry plans or the plan and profile sheets submitted.
4. Silt fencing should not be installed perpendicular slope of grade.
5. Recommend that disturbed areas receive hydro seed or erosion control matting.
6. Verify that permits from the Army Corps of Engineers and the Fish and Game Department of California have been received if required.

Should you have any questions, please feel free to contact Matt Morgan or Jason Vine at (916) 924-7000.

**END**



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July 10, 2002

Jim Ferrara  
Burns & Roe Enterprises  
2000 Crawford Place, Suite 100  
Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK No. 13254-3021**  
**Condition of Certification STRUC-1**  
**Siemens-Westinghouse Plans and Calculations**

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted.

This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information. Submit five sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

c. file

**PLAN REVIEW COMMENTS**

**1) Design and Load Calculations for Gland Seal Steam Skid  
SWPC Transmittal No. 000-000-123-935  
Document Number 43276-LOAD**

Comments Type: Structural, Calculations Page 3 of 17

1. Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.

Comments Type: Structural, Calculations Page 14 and 15 of 17

1. Design the anchor bolts for the orthogonal effects per CBC 98 Section 1633.1

Comments Type: Structural, Calculations Page 14 of 17

1. Specify the location of this equipment. If the equipment is located at the outside, use the stainless steel anchor bolts per Note 4.9 of ICBO ER-4627.

**2) W501F Turbine Enclosure Structure  
SWPC Transmittal No. 000-000-123-958  
Document Number DA182**

Comments Type: Structural, Sheet 1 of 6

1. Call out all the framing members (beams and columns) on the Roof Framing Plan.
2. Moment Frame #1 and Braced Frame is called out at the Elevation "A" on the Roof Frame Plan. Two different types of lateral resisting system shall not be used in a same line of shear. Clarify.
3. The horizontal roof diaphragm brace is not connected to the Moment Frame #2 and #3. Explain how to transfer the horizontal roof diaphragm force to the Moment Frames.
4. Specify qualifications of a welder. The note #4.B. is unclear.

Comments Type: Structural, Sheet 4 of 6

1. Special inspection is required for the high strength bolt A490. Note on the plan.

**3) CT Pipe Rack Structure**  
**SWPC Transmittal No. 000-000-123-966**  
**Document Number SWPC-CM-007**

Comments Type: Structural, Sheet

1. Provide the Pipe Rack connection details to the foundation.

Comments Type: Structural, Sheet 1 of 4, Note #2.

1. Provide Westinghouse specifications 82148PB and 8214PC.

Comments Type: Structural, Sheet 1 of 4

1. Special Inspection is required for Field Welding. Note on the plan.
2. Specify qualifications of a welder on the plan.

Comments Type: Structural, Calculations

1. Provide a loading information: Dead Load and Live Load (if applicable)
2. Specify Wind load information: Basic wind speed, Exposure, Wind Importance factor, Ce, Cq, and qs.
3. Provide Wind load Calculations.
4. Specify Seismic load information: Seismic Zone, Soil Profile, Near Source Factor, Seismic Coefficient, Seismic Importance factor, Structure Type and R Factor.
5. Provide Seismic load calculations.
6. Design the Pipe Rack connection to the foundation.
7. Provide applied load diagrams for the computer input and computer calculated member force diagrams from the computer out put.

**4) Design and Load Calculations for Leakoff Steam DS Skid**  
**SWPC Transmittal No. 000-000-123-918**  
**Document Number 43277-LOAD**

Comments Type: Structural, Calculations Page 3 of 17

1. Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.

Comments Type: Structural, Calculations Page 14 and 15 of 17

1. Design the anchor bolts for the orthogonal effects per CBC 98 Section 1633.1

Comments Type: Structural, Calculations Page 14 of 17

1. Specify the location of this equipment. If the equipment is located at the outside, use the stainless steel anchor bolts per Note 4.9 of ICBO ER-4627.

**5) Condenser Foundation Arrangement and Foot Loads**  
**SWPC transmittal No. 000-000-123-940**  
**Document Number E-133C-RB-171-518X1**

Comments Type: Structural, Sheet 1

1. Provide the structural steel specifications on the plan.
2. Provide welding specifications on the plan.
3. Provide qualifications of a welder on the plan.
4. Specify the applicable code on the plan.
5. Special Inspection is required for Field Welding. Note on the plan.

**6) Design and Load Calculations for ST Lube Oil Module**  
**SWPC Transmittal No. 000-000-123-894**  
**Document Number 43237-LOAD**

Comments Type: Structural, Calculations Page 3 of 17

1. Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.

Comments Type: Structural, Calculations Page 15 of 17

1. Design the anchor bolts for the orthogonal effects per CBC 98 Section 1633.1

**7) Structural Engineering Calculations Combustion Turbine Support Loads**  
**SWPC Transmittal No. 000-000-123-962**  
**Document Number SWPC-CM-002**

Comments Type: Structural, Calculations

1. Clarify the applicable building code section for Structural Design Requirements whether Chapter 16 and 16A. All other calculations are referenced and design per Chapter 16A.
2. If Chapter 16A is the applicable section, Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.
3. Design the seismic load with the orthogonal effects per CBC 98 Section 1633.1

**8) Structural Calculations-W501F Turbine Enclosure Structure  
SWPC Transmittal No. 000-000-123-980  
Document Number AA182**

Comments Type: Structural, Calculations

1. Clarify the applicable building code section for Structural Design Requirements whether Chapter 16 and 16A. All other calculations are referenced and design per Chapter 16A.
2. If Chapter 16A is the applicable section, Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.

Comments Type: Structural, Calculations Page #97 to 110

1. Provide calculations to show the proposed moment connection will sustain inelastic rotation and design the effect of steel overstrength and strain hardening per Section 2213.7.1.2.

**9) Foot Load Calculations Stream Surface Condenser  
SWPC Transmittal No. 000-000-123-944  
Document Number SC-26711**

Comments Type: Structural, Calculations

1. Clarify the applicable building code section for Structural Design Requirements whether Chapter 16 and 16A. All other calculations are referenced and design per Chapter 16A.
2. If Chapter 16A is the applicable section, Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.
3. Design the seismic load with the orthogonal effects per CBC 98 Section 1633.1

**10) Design and Load Calculations for Gland Seal Condenser Module  
SWPC Transmittal No. 000-000-123-930  
Document Number 43225-LOAD**

Comments Type: Structural, Calculations Page 3 of 17

1. Seismic Importance factor I and Ip for the Special Occupancy is 1.15 per Table 16A-K. Revise the calculations.

Comments Type: Structural, Calculations Page 14 and 15 of 17

1. Design the anchor bolts for the orthogonal effects per CBC 98 Section 1633.1

Comments Type: Structural, Calculations Page 14 of 17

1. Specify the location of this equipment. If the equipment is located at the outside, use the stainless steel anchor bolts per Note 4.9 of ICBO ER-4627.

**END**



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July 23, 2002

Jim Ferrara  
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2000 Crawford Place, Suite 100  
Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK No. 13254-3027  
Condition of Certification STRUC-1  
COOLING TOWER FOUNDATION**

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit four sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

**PLAN REVIEW COMMENTS**

**PART 1 – GENERAL COMMENTS:**

1. The seismic design of the structures for this energy center shall reflect the new changes in the UBC Code, including the near-source factors. Section 6.2 of the soil report provided the design response spectrum for the whole project. It is not clear how this design reflects the recommendations by the Geo. Engineers.

**PART 2 – STRUCTURAL CALCULATIONS:**

1. PAGES 7 TO 10:

- It is understood that the seismic load derived from AWWA D100-1996 is equivalent to UBC 1994, which is for ASD. However, the load combination equation 12-9, California Building Code is the same as UBC 1997, in which the seismic load is for SD. Therefore, the calculated seismic forces from AWWA D100-1996 shall not be reduced by the factor of 1.4.

2. PAGE 9 and APPENDIX 3:

- It is not clear how the seismic forces from the cooling towers were calculated. Please clarify.
- If the seismic forces on structural members were calculated separately, how the interaction between the members was considered. Please clarify.

3. PAGES 9, 37 and 45:

- The pile vertical and lateral capacities used in the design are not consistent with that shown in Table 2 of the soil report. Please verify.
- Pile flexure and shear strength, as a structural member shall be checked.

4. PAGE 10:

- The axial capacities of the pile under DL and EL shall be checked, considering the overturning effects of the EL.

5. PAGE 52:

- The wall design loads shall include the seismic forces due to the self-weight of the concrete wall.

**PART 3 – STRUCTURAL PLANS:**

1. No construction notes are available for review.

2. SHEETS 350, 351 and 352:

- No pile details are available for review. Please provide pile details, including pile length, section and connection to the cap and etc.

3. SHEETS 355, 356 and 357:

- Locations and details of any AB or dowels embedded in the concrete mat shall be

**PROJECT:**

Page 3 of 3

**WD # 13254-**

shown and specified on the foundation plans.

**4. SHEET S363, SECTION A-A:**

- Call out the wall thickness or refer to the foundation plans.

**5. SHEET S363, OPTIONAL CONSTRUCTION JOINT:**

- It is not clear if the joint sealer shall be provided at EF of the wall or not. Please clarify.

Call out the width of the shear key at the construction joint.

END



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July 23, 2002

Jim Ferrara  
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Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK NO. 13254-3028  
Condition of Certification STRUC-1  
STG FONDATION**

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit four sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

## **PLAN REVIEW COMMENTS**

### **PART 1 – GENERAL COMMENTS:**

1. It seems that the engineer who stamped and signed the calculations and plans is not approved for MEC. Please verify.
2. The seismic design of the structures for this energy center shall reflect the new changes in the UBC Code, including the near-source factors. Section 6.2 of the soil report provided the design response spectrum for the whole project. It is not clear how this design reflects the recommendations by the Geo. Engineers.

### **PART 2 – STRUCTURAL CALCULATIONS:**

#### **1. PAGE 2:**

- It is mentioned in the PURPOSE section that analysis and design of the pedestal foundation for the STG set includes the supporting soil/pile. But, this part of the calculations and plans are not available for review. Please provide design calculations for the piles, including checking the pile vertical and lateral capacities due to soil support and shear and flexure strength of the piles as a structural member.

#### **2. PAGE 3:**

- It is not clear what type of dynamic analyses were performed with computer program SASSI2000. Please explain the details of the model, boundary condition and support spring constants, input for EQ and etc.
- It is not clear how the analysis results of SASSI2000 were used as input for the SAP2000 analyses. (Any factors or adjustment were applied?) Please clarify.
- When using the representative segment of the foundation for the static and dynamic analyses of the whole foundation, how to consider the interaction between different portions of the structure.

#### **3. PAGE 7:**

- It is not clear what are the mode shapes for the first several modes. Are they mainly vertical modes or horizontal modes? What is the corresponding participating mass?
- It is not clear what is the input for EQ in the SAP 2000 analyses. (Specified site ARS by the Geo. Engineers?) Please clarify.
- It is not clear how the analysis results of SAP2000 were used for the structural member design. (Calibrate the total elastic seismic forces to the base shear level based on UBC 1997?) Please clarify.

#### **4. PAGE 14:**

- The load factors for the load combinations of Accident conditions for design of foundation mat are not consistent with that specified in UBC 1997. Please verify.

(1.2DL shall be used, not 1.0 DL.)

- The factors for the load combinations of Accident conditions and Environmental conditions for design of the piles are not consistent with that specified in UBC 1997. Please verify. (DL shall not be reduced by the factor of 0.75)

**5. PAGE 19:**

- The pile stiffness of  $K_v = 1800 \text{ k/in/pile}$  and  $K_l = 60 \text{ k/in/pile}$  were used for the SAP2000 analyses, which are showing for static in Table 2 of the soil report. To obtain more realistic natural periods and dynamic responses of the structure, the recommended stiffness for dynamic shall be used for the analyses.

**6. PAGE 21:**

- It is not clear how to obtain the seismic forces for the columns and piles. Please explain.

**7. PAGES 84 to 91:**

- It is not clear how to obtain the seismic forces for the building columns. Please explain.
- Explain why the building on this foundation was not included in the analysis model. If separate analysis was performed, how to consider the interaction between different portions of the structure.
- The plans show some grade beams connecting a group of footings together. It is not clear how to consider the interaction of these footings in the analysis and design. Please explain.

**PART 3 – STRUCTURAL PLANS:**

**1. No construction notes are available for review.**

**2. SHEET S246:**

- Min. required embedment for dowels in Section A-A and D-D should be specified. Please call out.
- It is recommended to show the 1 - #10 bar in Section A-A in the detail of Section B-B.
- The specified location of the top tie in Section D –D does not meet the required 1" min. clearance to the bottom of base plate in the note. Please verify. ( $2.5+0.25-2\frac{5}{16} = 0.4375 < 1"$ )

**3. SHEET S247:**

- Min. required embedment for the invert U shape dowels in Section C-C and E-E should be specified. Please call out.
- It is not clear what the Detail 7 is going to show. Please clarify. (The title is TYPICAL REINF AT DOOR JAMB MASONRY but drawing shows dowel spacing in curb)

**4. SHEET S255:**

- Some AB or dowels shown on plan are not defined. Please specify.

5. SHEET S265:
  - Please complete the call outs for concrete piers and pads.
6. SHEET S266:
  - Please provide pile details, including pile layout, length, section and connection to the cap and etc.
  - Min. required embedment for the column main reinforcement into the concrete deck should be specified. (If not full height)
7. SHEET S271:
  - Min. required embedment for the invert U shape dowels in Section S-S should be specified. Please call out.
8. SHEET S272:
  - The call outs for the reinforcement at the top in Section N-N were duplicated and not consistent. Please verify. (#5 @12 invert U shape vs. 6-#8)
9. SHEET S273:
  - Min. required embedment for dowels should be specified. Please call out.
  - Some of the rebars are not defined. Please call out.
10. SHEET S275, Details 1 and 2:
  - It is not clear what is the function of this fully embedded 2'-0" pipe in concrete here with fully grouting. Please verify.

.The call out of bevel welds between the 2'-0" pipe and 1" steel plate shall add the symbol for all around.

END



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July 23, 2002

Jim Ferrara  
Burns & Roe Enterprises  
2000 Crawford Place, Suite 100  
Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK NO. 13254-3023**  
**Condition of Certification STRUC-1**  
**PLATFORM – FOUNDATION DESIGN**

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit four sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

**PLAN REVIEW COMMENTS**

**PART 1 – STRUCTURAL CALCULATIONS:**

1. Please provide design calculations for GB-2 on column line A. Please note the west end of GB-2 can not be assumed as fixed based on the details shown in Section A-A of sheet S190.
2. Please provide calculations for GB-6.

**PART 2 – STRUCTURAL PLANS:**

3. On Sheet S120, structural calculations require 3 piles for the foundation of column D-1 (see page 26), but the plan only shows two piles. Please correct.
4. On Sheet S120, structural calculations state that column foundations C-1.5, C4-1.5 and D-1 are on hold, but the plan still call out the size of their piles. Suggest removing the pile callouts if there are on hold.
5. On Sheet S125, please provide calculations for the beam just above column line 2 and between column lines A and B.
6. On Sheet S190, all details show that there is a gap between concrete slab and grade beam / pile cap, please verify if this is an expansion joint filled with expansive material.
7. On Sheet S192, the second detail indicates that the tie beams will be casted against the vertical face of pile cap. Since the face of pile cap is where the max moment is, it is not a good idea to place a construction joint at here. Please verify.
8. On Sheet S192, please provide details showing tie beam or grade beam connecting to the generator pedestal foundation.

END



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July 23, 2002

Jim Ferrara  
Burns & Roe Enterprises  
2000 Crawford Place, Suite 100  
Mt. Laurel, NJ 08054

**SUBJECT: WILLDAN PLAN CHECK NO. 13254-3024  
Condition of Certification STRUC-1  
SCREEN FOUNDATION**

Dear Mr. Ferrara:

Please find the attached plan review comments, for the above referenced project based on review of the documents submitted. This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the following:

- Part 2. (1998 California Building Code)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit four sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman  
Senior Plans Examiner  
Plan Review Coordinator

**PLAN REVIEW COMMENTS**

**PART 1 – STRUCTURAL CALCULATIONS:**

1. On page 3, the computer model shows six columns on the south side, but the plan indicates there are twelve of them. Please verify and make necessary correction.
2. On page 10, since  $C_q=1.4$ , I assume the designer used Method Two in wind load calculations. Please note in this method, the calculated wind load includes both windward and leeward pressure, thus there is no need to add leeward pressure on top of it. Please correct.
3. The south side wall has cantilever facade. Please check upward wind load based on the projected horizontal area.

**PART 2 – STRUCTURAL PLANS:**

4. In the Tower Foundation Design Loads Table, the shear forces are called out as perpendicular or parallel, but it's not clear which axis they are referred to. Please clarify.

END

**LAND TRUST FOR SANTA CLARA COUNTY  
QUARTERLY OPERATING ACCOUNT REPORT  
FOR QUARTER ENDING 6/30/02**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #10**

# **MEC QUARTERLY OPERATING ACCOUNT REPORT**

## **QUARTER ENDING 6/30/02**

**BEGINNING BALANCE** \$261,582.54

### **SUMMARY OF EXPENSES PAID DURING QUARTER**

|   |                    |
|---|--------------------|
| Land Trust set-up fee (partial)           | \$20,000           |
| Jim Curtis - Preserve signs               | \$540              |
| Wire fee (will be reversed next quarter)  | \$30               |
| MSDW fee (will be reversed next quarter)  | \$59               |
| <b>Total expenses paid during quarter</b> | <b>\$20,629.23</b> |

### **SUMMARY OF OUTSTANDING INVOICES FOR QUARTER**

|  |                  |
|--|------------------|
| Land Trust set-up fee (remainder )                       | \$10,000         |
| CH2MHill February-June invoices                          | \$64,955         |
| Calpine Corporation - well                               | \$26,000         |
| Calpine Corporation - fence                              | \$46,560         |
| <b>Total summary of outstanding invoices for quarter</b> | <b>\$147,515</b> |

### **ESTIMATE OF PRESERVE EXPENSES FOR NEXT TWO QTRS.**

|  |                 |
|--|-----------------|
| Interpretive sign and installation and balance for No Tresspassing signs | \$1,445         |
| CH2MHill biologist support   | \$29,000        |
| Corral   | \$2,900         |
| Feral animal control program   | \$4,500         |
| Patrolling   | \$1,680         |
| Trash pickup and removal   | \$450           |
| Software to track projects and reports                                   | \$600           |
| Land Trust administrative cost:  |                 |
| 10 hrs./month x 12 months x \$50/hr.                                     | \$6,000         |
| Land Trust surcharge of 22%  | \$1,320         |
| <b>Total estimate of Preserve expenses for next two quarters</b>         | <b>\$47,895</b> |

### **SUMMARY OF INTEREST EARNED**

|                                |                 |
|--------------------------------|-----------------|
| Interest earned during quarter | \$749.15        |
| <b>Total interest earned</b>   | <b>\$749.15</b> |

### **SUMMARY OF DEPOSITS MADE BY MEC**

|                                   |            |
|-----------------------------------|------------|
| None                              |            |
| <b>Total deposits made by MEC</b> | <b>\$0</b> |

### **SUMMARY OF DEPOSITS MADE FROM ENDOWMENT ACCOUNT**

|   |            |
|---|------------|
| None  |            |
| <b>Total deposits made from Endowment Account</b> | <b>\$0</b> |

### **ACCOUNT BALANCE AT END OF QUARTER**

|  |              |
|--|--------------|
| MSDW account balance as of June 30, 2002 | \$242,143.46 |
|--|--------------|

### **ANTICIPATED DEPOSITS FROM ENDOWMENT ACCOUNT DURING NEXT TWO QUARTERS**

|   |            |
|---|------------|
| None  | \$0        |
| <b>Total anticipated deposits from endowment account during</b> | <b>\$0</b> |

**next two quarters** \$0

**ESTIMATE OF INSUFFICIENT FUNDS FROM ENDOWMENT  
ACCOUNT DEPOSITS FOR NEXT TWO QUARTERS**

None \$0  
**Total estimate of insufficient funds** \$0

**ENDING OPERATING ACCOUNT BALANCE AFTER PAYMENT OF  
OUTSTANDING INVOICES**

\$94,178.46